

OLYMPUS

CAMERA

**DIGITAL CAMERA
C-50 ZOOM**

REFERENCE MANUAL

<Click Here>

CAMERA OPERATION MANUAL

Explanation of digital camera functions and operating instructions.

**DIGITAL CAMERA - PC CONNECTION
OPERATION MANUAL**

Explanation of how to download images between your digital camera and PC.

CAMEDIA
DIGITAL CAMERA

C-50 ZOOM



REFERENCE MANUAL

- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- The images and illustrations in this manual may differ from their real versions.

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number : C-50 ZOOM

Trade Name : OLYMPUS

Responsible Party : Olympus America Inc.

Address : 2 Corporate Center Drive, Melville, New York
11747-3157 U.S.A.

Telephone Number : 1-631-844-5000

Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

For customers in Europe



"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" mark cameras are intended for sales in Europe.

Trademarks

- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- Macintosh is a trademark of Apple Computer Inc.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.
- The standards for camera file systems referred to in this manual are the "Design Rule for Camera File System/DCF" standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

Contents	P. 4
Names of parts	P. 8
Monitor indications.....	P. 10
How to use this manual	P. 14

Chapter 1	
Getting started	P. 15
Chapter 2	
Using the menus	P. 24
Chapter 3	
Shooting basics	P. 31
Chapter 4	
Advanced shooting	P. 54
Chapter 5	
Adjusting image quality and exposure	P. 70
Chapter 6	
Playback	P. 79
Chapter 7	
Useful functions	P. 93
Chapter 8	
Print setting	P. 104
Chapter 9	
Miscellaneous	P. 108

Contents

Names of parts	8
Monitor indications	10
Memory gauge	13
Battery check	13
How to use this manual	14
Chapter 1	
Getting started	15
Attaching the strap	15
Battery/Card basics	16
Battery basics	16
Card basics	16
Loading/Unloading the battery/card	17
Using an optional AC adapter	19
Power on/off	20
Card check	21
Date/time setting	22
Chapter 2	
Using the menus	24
What are the menus?	24
An example of how to use the menus	25
Shortcut menus (shooting/playback)	27
MODE MENU (shooting)	28
MODE MENU (playback)	30
Chapter 3	
Shooting basics	31
Shooting modes	31
Holding the camera	34
How to press the shutter button	35
Focusing	35
Auto focus	35
When Auto focus does not work (Subjects that are difficult to focus on)	36

Focus lock (Focusing on subjects that are not in the center of the frame)	37
Taking still pictures	38
Taking pictures while looking through the viewfinder	38
Taking pictures while viewing the monitor	39
Comparison of the viewfinder & monitor	40
Aperture setting (Aperture priority shooting)	41
Shutter speed setting (Shutter priority shooting)	42
Aperture & Shutter speed setting (Manual shooting)	43
Movie recording	44
Zoom (Telephoto/Wide-angle shooting)	46
Digital zoom	46
Flash shooting	48
Using the flash	50
Flash intensity control 	53

Advanced shooting	54
Spot metering (Selecting the metering area) 	54
Macro mode shooting	
(Taking close-up pictures) 	55
Self-timer shooting 	56
Remote control shooting 	57
Sequential shooting	59
Sequential shooting & AF Sequential shooting  AF 	59
Auto bracketing (Shooting pictures sequentially with a different exposure for each frame)  BKT	60
My Mode setting	63
Panorama shooting	66
Taking two-in-one pictures 2 IN 1	68

Contents

Chapter 5

Adjusting image quality and exposure	70
Record mode	70
Selecting still picture record modes	72
Selecting movie record modes	72
ISO sensitivity	74
Exposure compensation	76
White balance	77
Sharpness	78
Contrast	78

Chapter 6

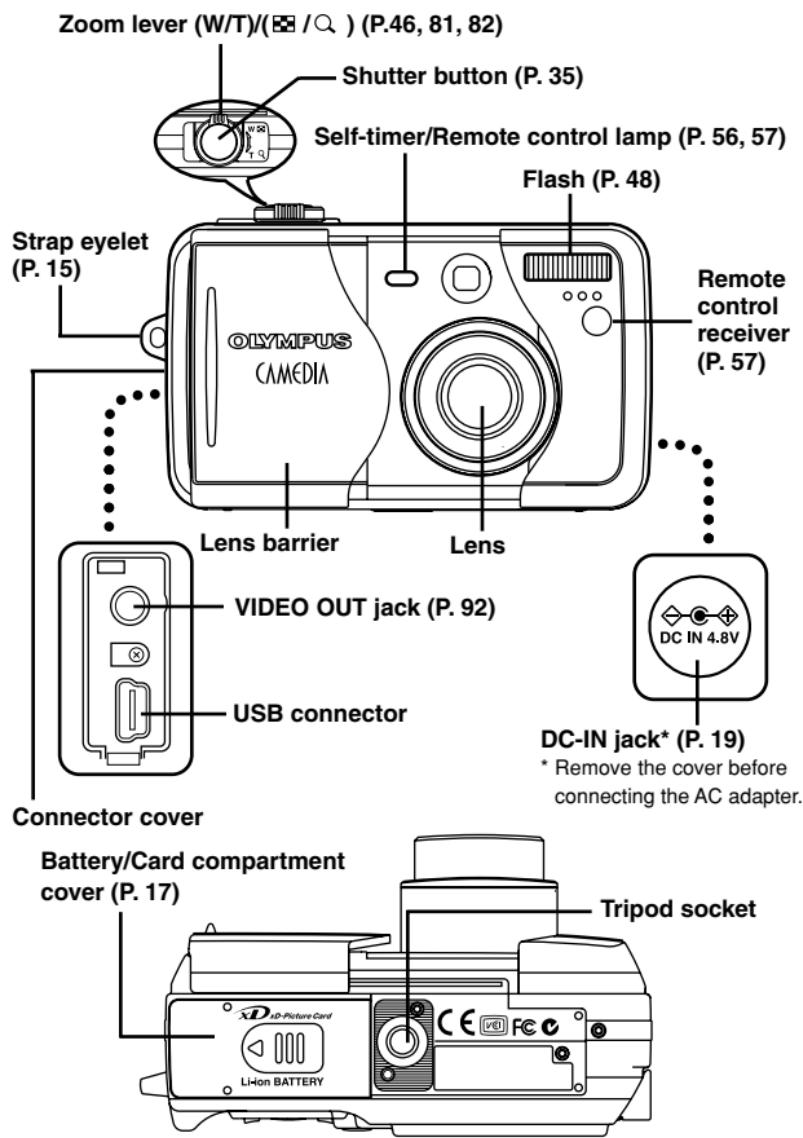
Playback	79
Playing back still pictures	79
Single-frame playback	79
Quick View	79
Slide-show 	80
Close-up playback 	81
Index display 	82
Picture rotation 	83
Playing back movies (MOVIE PLAY)	84
INDEX	86
Protect 	87
Erasing pictures  	88
Single-frame erase	88
All-frame erase	89
Editing still pictures	90
Creating black & white or sepia-toned pictures	90
Resizing pictures 	91
Playback on a TV	92

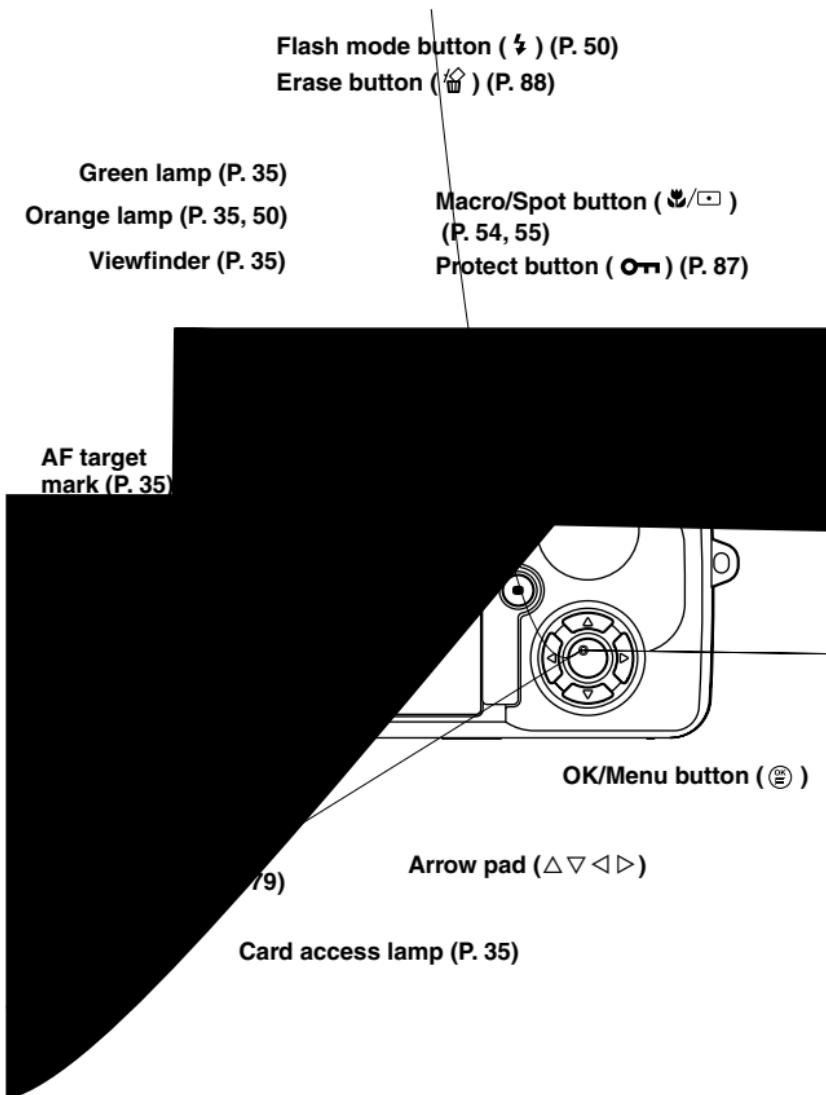
Useful functions	93
All reset (Saving the camera's settings)	93
Shortcut	94
Information display INFO	97
Formatting cards 	98
Monitor brightness adjustment 	99
Turning off the beep sound 	99
Rec View	100
Sleep timer	101
Video output selection	101
File name	102
Pixel Mapping	103

Print setting	104
How to print pictures	104
Applying print reserve to a card	106

Miscellaneous	108
Troubleshooting	108
User maintenance	115
Error codes	116
Menu maps	118
Menu functions & factory default settings	121
Modes & Shooting functions	122
Specifications	125
Glossary of terms	127
Index	130

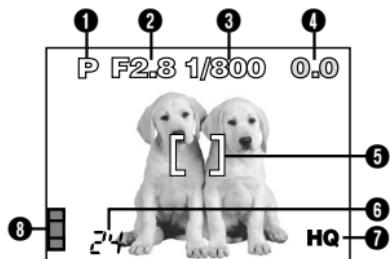
Names of parts



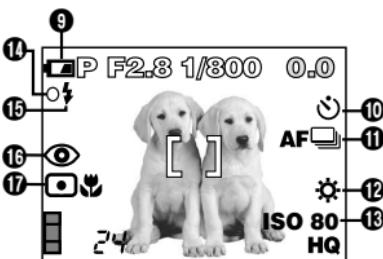


Monitor indications

Indications during shooting



When INFO is set to OFF



When INFO is set to ON

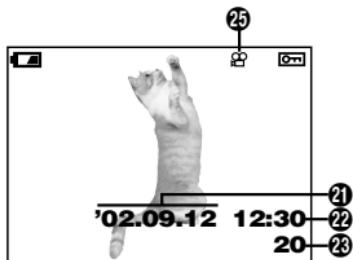
Indications during still picture playback



When INFO is set to OFF

When INFO is set to ON

Indications during movie playback



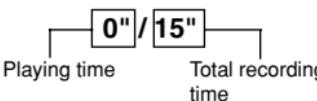
When INFO is set to OFF



When INFO is set to ON

Items	Indications	Ref. page
① Shooting mode	, P, A, S, M, , , , , , ,	P. 31
② Aperture value	F2.8 – F8.0	P. 41, 43
③ Shutter speed	8 – 1/1000	P. 42, 43
④ Exposure compensation Exposure variance	–2.0 – +2.0 –3.0 – +3.0	P. 76 P. 43
⑤ AF target mark	[]	–
⑥ Number of storable still pictures/ Seconds remaining	24 24"	P. 39 P. 44
⑦ Record mode	TIFF, SHQ, HQ, SQ1, SQ2	P. 70
⑧ Memory gauge	, , , ,	P. 13
⑨ Battery check	,	P. 13
⑩ Self-timer/ Remote control	,	P. 56 P. 57
⑪ Drive mode	, AF , BKT	P. 59
⑫ White balance	, , ,	P. 77
⑬ ISO	ISO80, ISO160, ISO320	P. 74
⑭ Green lamp	O	–
⑮ Flash stand-by mark		P. 50, 52
⑯ Flash mode	, , , SLOW, SLOW	P. 50
⑰ Spot metering/ Macro mode	, ,	P. 54, 55

Monitor indications

Items	Indications	Ref. page
⑯ Print reserve	□	P. 106
⑰ Number of prints	x2 – x10	P. 106
⑲ Protect	■	P. 87
㉑ Date	'02. 12. 24, '03. 01. 12	P. 22
㉒ Time	07:15, 12:30, 17:45	P. 22
㉓ Frame number	20	–
㉔ Pixel resolution	2560 x 1920, 1600 x 1200	P. 71
㉕ Movie mark	◎	P. 84
㉖ File number/ Recording time	FILE:100 – 0020 0"/15" (during movie playback) 	–

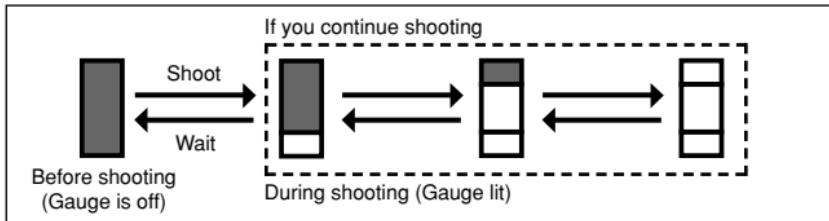
••••• Note •••••

- The monitor indications differ depending on the camera's settings.
- You can select the amount of information displayed on the monitor (P. 97).

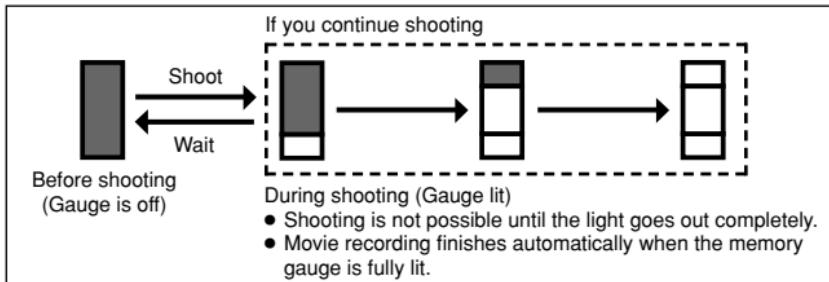
Memory gauge

The memory gauge lights when you take a picture. When the gauge is lit, the camera is storing a picture on the card (xD-Picture Card). The memory gauge indication changes as shown below depending on the shooting status. When the memory gauge is full, wait until the light goes out before you take any more shots.

When taking still pictures

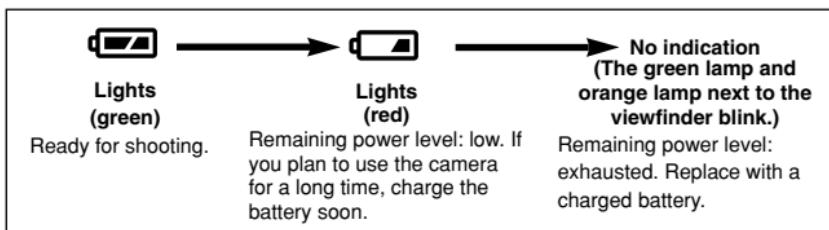


When recording movies



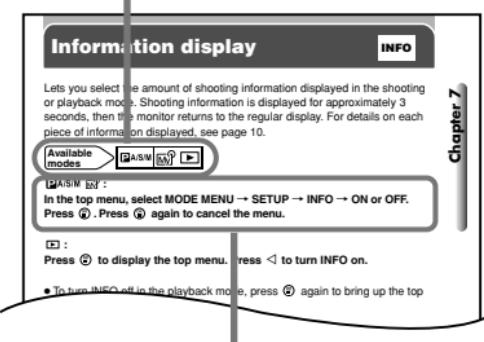
Battery check

If the remaining battery power is low, the battery check indication changes as follows when the camera is turned on or while the camera is in use.



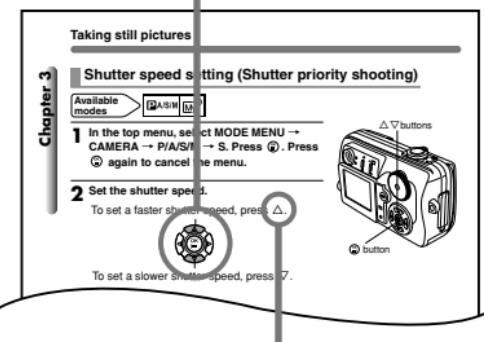
How to use this manual

Set the camera to any of the modes shown.

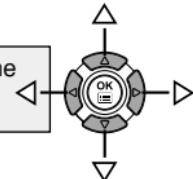


Step through the menus in the order of the arrows (P. 25).

If a button is shown in gray, press it as part of the step.

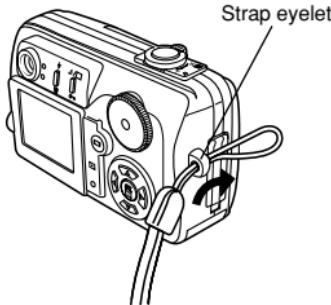


△, ▽, □ and ▷ used in instructions correspond to the buttons on the arrow pad as shown.

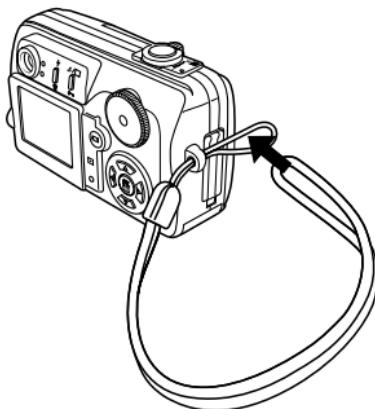


Attaching the strap

- 1 Thread the end (small loop) of the strap through the strap eyelet.



- 2 Thread the rest of the strap through the small loop that you threaded through the eyelet.
- 3 Pull on the strap to make sure it is securely fastened.



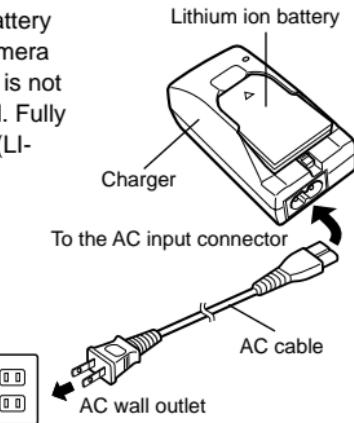
..... • Note •

- Be careful with the strap when you carry the camera, as the strap can easily catch on stray objects, causing serious damage.
- Attach the strap correctly as shown so that the camera does not fall off. If the strap is attached incorrectly and the camera falls off the strap, Olympus is not responsible for any damages.

Battery/Card basics

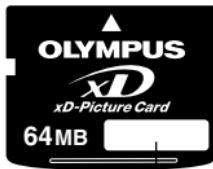
Battery basics

This camera uses an Olympus lithium ion battery (LI-10B). This battery is dedicated to this camera and other batteries do not work. The battery is not fully charged when the camera is purchased. Fully charge the battery on the specified charger (LI-10C) before first use. Do not use any other chargers. For details, read the charger's instructions (provided).



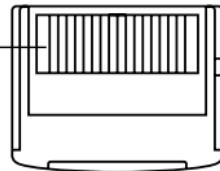
Card basics

This camera uses an xD-Picture Card to record pictures. This manual uses the term "card" when referring to an xD-Picture Card. Images recorded and stored on an xD-Picture Card can easily be deleted, overwritten, and/or edited on a computer.



Index area

Write the card's contents here.



Contact area

The camera reads the card here. Do not touch.

Compatible xD-Picture Card: xD-Picture Card (16 - 128 MB)

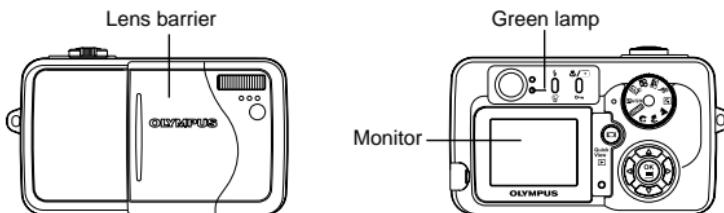
Note

- This camera may not recognize a non-Olympus card or a card that was formatted on another device (such as a computer). Before use, be sure to format the card on this camera (P. 98).

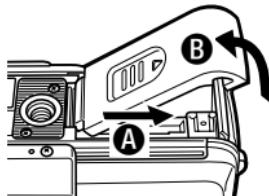
Loading/Unloading the battery/card

1 Make sure the camera is turned off:

- The lens barrier is closed.
- The monitor is turned off.
- The green lamp is off.



2 Slide the battery/card compartment cover in the direction of the arrow A and open it in the direction of the arrow B.



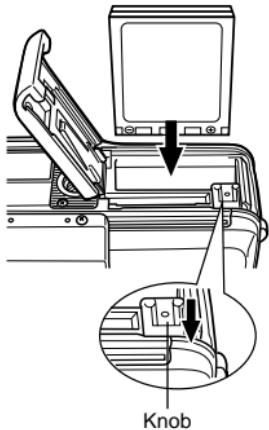
3 ■ Loading the battery

Insert the battery in the correct direction in the battery/card compartment.

- Make sure the knob is locked securely. If the knob is not locked, the battery may pop out when opening the battery/card compartment cover.

■ Unloading the battery

Slide the knob in the direction of the arrow. The battery pops out. Remove it.

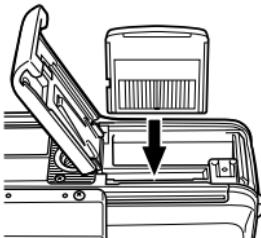


Battery/Card basics

■ Loading the card

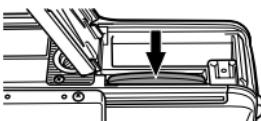
Face the card the correct way and insert it into the battery/card compartment.

- Insert the card while keeping it straight.
- Inserting the card the wrong way or at an angle, could damage the contact area or cause the card to jam.
- If the card is not inserted all the way, data may not be written to the card.

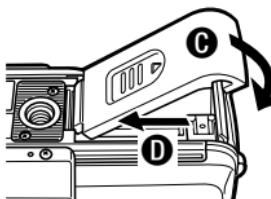


■ Unloading the card

Push the card slowly toward the inside of the card slot with your finger until it stops. Continue to hold the card so that it does not forcibly eject, then remove the card from the slot by pulling it straight out.



4 Close the battery/card compartment cover in the direction of the arrow **C**, then slide it in the direction of the arrow **D**.



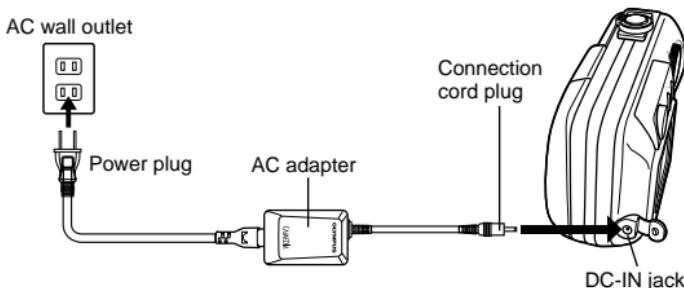
..... Note

- If the battery is removed within 3 seconds after the power is turned off, the settings saved in the **W** mode may be canceled.
- If the battery is removed from the camera for about 1 hour, some settings may return to the factory default settings even when ALL RESET is set to OFF.
- Never open the battery/card compartment cover or disconnect the optional AC adapter while the camera is in use or the camera is communicating with a computer. **Doing so could destroy all data on the card.**
- Destroyed data cannot be restored.
- The card may eject forcibly if you take your finger off the card immediately after pushing it.

Using an optional AC adapter

In addition to the provided battery, an optional Olympus CAMEDIA-brand D-7AC AC adapter can be used.

An AC adapter is useful when performing time-consuming tasks such as downloading images to a computer. Use an AC adapter designed to operate on the AC voltage in the region the camera is being used. Consult your nearest Olympus dealer or service center for details.



Note

- Before using the AC adapter, remove the battery from the camera.
- When connecting the AC adapter to the camera's DC-IN jack, be careful not to catch the plug on the jack's cover.
- If the battery power runs out while the camera is connected to a computer, image data may be corrupted. It is recommended that you use the optional AC adapter when transferring images to a computer. Do not disconnect or connect the AC adapter while the camera is communicating with the computer.
- Power is consumed continuously during the conditions described below. This could reduce the number of pictures that can be taken.
 - When the monitor is turned on.
 - Repeated auto-focus by pressing the shutter button halfway.
 - Repeated power zoom adjustments.
 - When communicating with a computer.
- Do not remove or load the battery and/or do not disconnect or connect the AC adapter while the camera is turned on. Doing so could damage the camera's settings or functions.
- Carefully read the "Safety Precautions" included in the package before use.

Power on/off

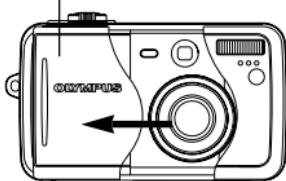
Shooting mode

Power on: Open the lens barrier. The camera turns on in the shooting mode.

Power off: Partly close the lens barrier to turn the camera off (about halfway across the lens). Wait until the lens is fully retracted. Close the lens barrier all the way. The camera turns off.

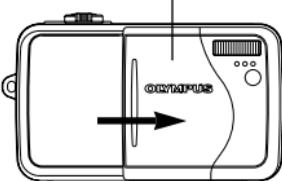
Turning the camera on

Open the lens barrier.



Turning the camera off

Close the lens barrier.



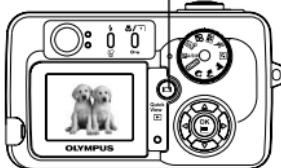
Playback mode

Power on: Press with the lens barrier closed. The camera turns on in the playback mode (the monitor turns on).

Power off: Press . The camera turns off (the monitor turns off).

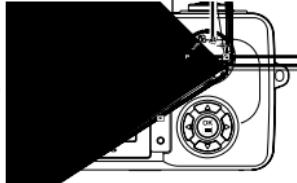
Turning the camera on

Press the button.



Turning the camera off

Press the button.

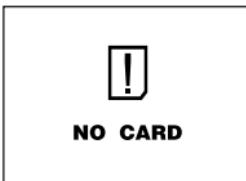


Note

- The camera automatically enters the sleep mode to save power when the power is left on and no operations are performed. The camera activates again as soon as you touch any button. Sleep time interval can be set (P. 101).
- When closing the lens barrier, do not push the lens barrier against the lens. Forcing the lens barrier may damage the camera body or cause a malfunction.

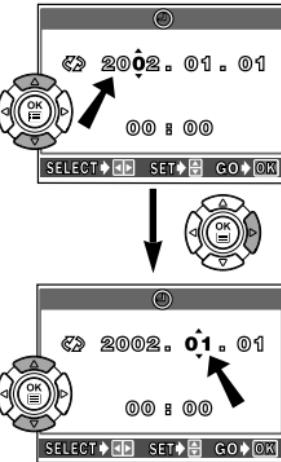
Card check

When the power is turned on, the camera checks the card automatically.

Indications	TIPS
	<p>There is no card in the camera or the card is not locked into place.</p> <ul style="list-style-type: none"> → Insert a card. If a card is already inserted, remove it and insert it again.
	<p>There is a problem with the card.</p> <ul style="list-style-type: none"> → Format the card, if this does not correct the problem use a different card.
 	<p>The card cannot be recognized with this camera system.</p> <ul style="list-style-type: none"> → Format the card. <ul style="list-style-type: none"> • Formatting erases all data saved on the card. <ol style="list-style-type: none"> ① Press ∇ to select FORMAT, then press OK. ② The FORMAT screen appears. ③ Press Δ to select YES, then press OK to start formatting. • When formatting is complete, the camera is ready for shooting.

5 Press \triangleright to move to the year setting.**6** Press $\triangle \nabla$ to set the year. When the year is set, press \triangleright to move to the month setting.

- Repeat this procedure until the date and time are completely set.
- To move back to the previous setting, press \triangleleft .
- The camera can only display the time in "number of hours", or what is commonly known as military time. Consequently, 2 p.m. would be 14:00 hours, or 12:00 hours + 2:00 hours = 14:00 hours.
- The first two digits of the year cannot be changed.

**7** Press $\textcircled{\text{OK}}$.

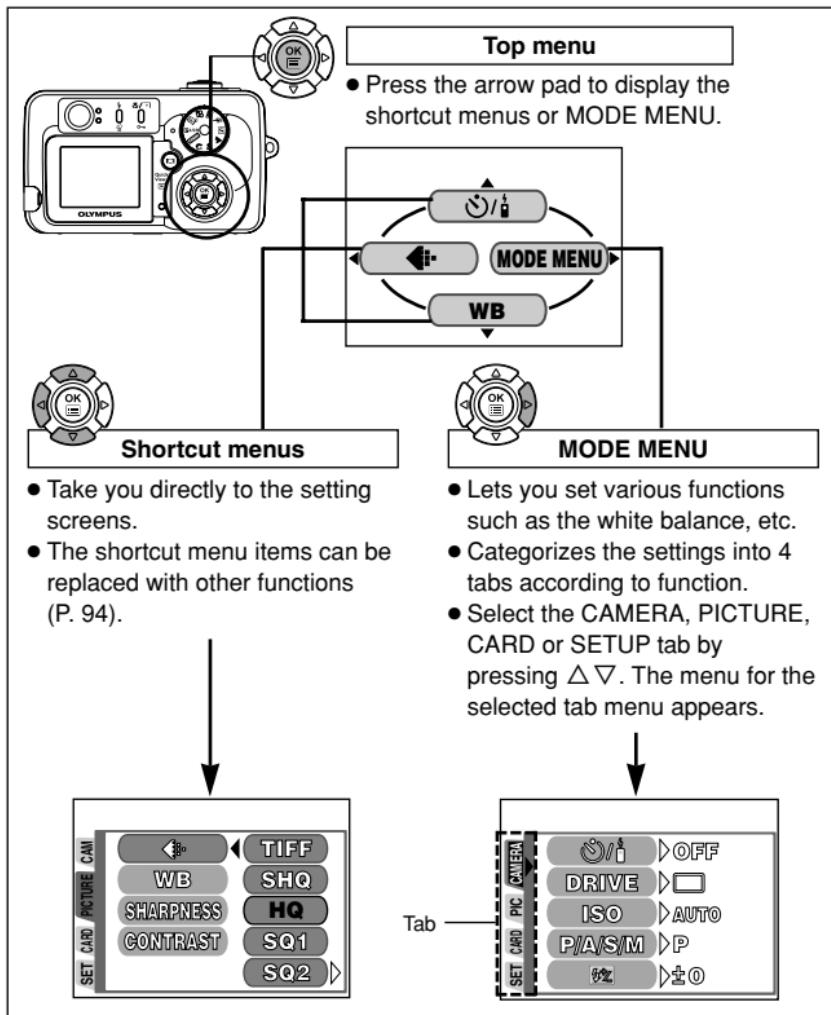
- For a more accurate setting, press $\textcircled{\text{OK}}$ when the clock hits 00 seconds. The clock starts when you press the button.

**8** To turn the camera off, close the lens barrier.**Note**

- The current settings remain the same even when the power is turned off, unless they are readjusted.
- The date setting will be canceled if the camera is left with no battery for approximately 1 hour. If this happens, you will need to set the date again.

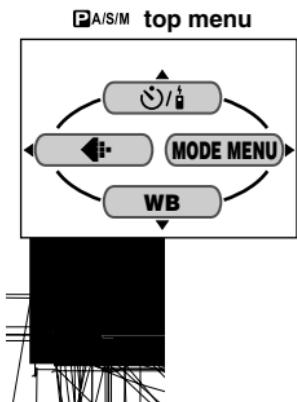
What are the menus?

When you turn on the camera and press the  button, the menu that appears on the monitor is called “the top menu”. Many functions of this camera are accessed using the menus. This chapter explains how the camera’s menus work, using examples of menus displayed in the **P/A/S/M** mode. The top menu varies depending on the mode.

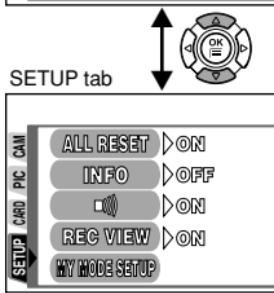
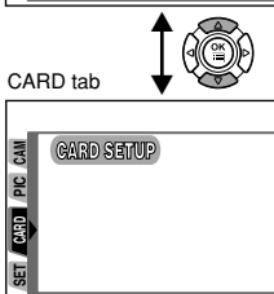
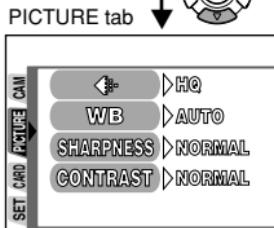
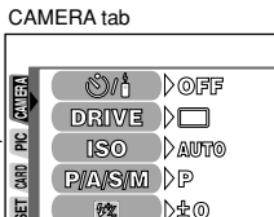


An example of how to use the menus

1 Press  to display the top menu. Press .



2 Press  to select a tab and press .



CAM: CAMERA tab

Functions for shooting: selecting drive modes, using digital zoom, etc.

PIC: PICTURE tab

Functions for adjusting images: selecting record modes, adjusting white balance, etc.

CARD: CARD tab

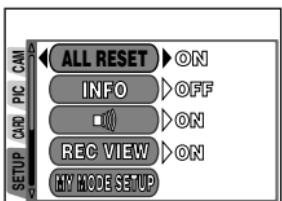
Card functions, such as formatting.

SET: SETUP tab

Functions for changing camera settings: date and time, shortcut settings, etc.

An example of how to use the menus

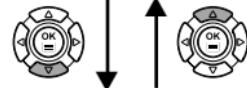
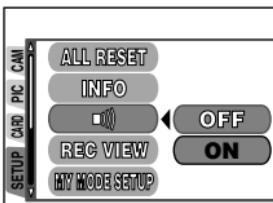
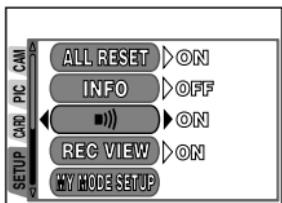
3 Press $\triangle \nabla$ to select an item and press \triangleright .



4 Press $\triangle \nabla$ to select the setting.

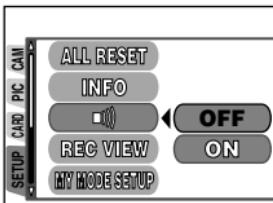
Press to save the setting.

- To go back to shooting, press  again.



The green frame moves to the selected item.

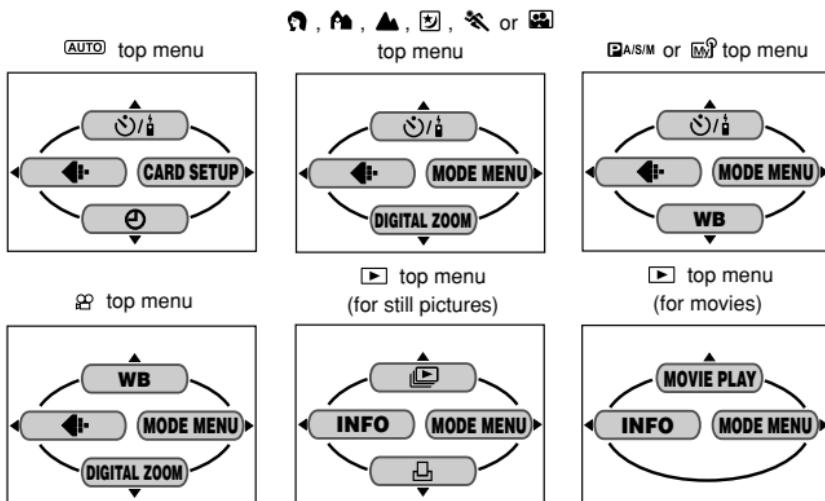
Pressing  or  returns to the item selection.



Note

- Some menu items may not be available depending on the camera settings or status. Unavailable menu items cannot be selected.
- If you press the shutter button to take a picture while the menu is displayed, you will take pictures with the currently selected settings.
- If you want to save the settings after the camera is turned off, set All Reset to OFF (P. 93).

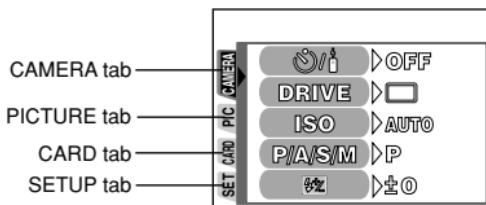
Shortcut menus (shooting/playback)



Shooting mode	⌚/⌚	Selects self-timer shooting or remote control shooting.	P. 56, 57
	⌚	Sets the date and time.	P. 22
	DIGITAL ZOOM	Digitally increases the optical zoom range to a maximum of approximately 12x.	P. 46
	◀▶	Sets the record mode.	P. 70
	CARD SETUP	Formats the card.	P. 98
	WB	Sets the appropriate white balance according to the light source.	P. 77
Playback mode	▶▶	Runs through all saved pictures one after another.	P. 80
	MOVIE PLAY	Plays back movies. You can also make indexes of still-shots from movies.	P. 84
	INFO	Changes the amount of information displayed on the monitor.	P. 97
	□	Stores printing information required for DPOF printers.	P. 106

MODE MENU (shooting)

In the shooting mode, the MODE MENU has 4 tabs. Press Δ ∇ to select a tab and display the associated menu items. Since the camera functions automatically in the **AUTO** mode, the MODE MENU is not available.



CAMERA tab		
	Selects self-timer shooting or remote control shooting.	P. 56, 57
DRIVE	Selects a mode from (single-frame shooting), (sequential shooting), (AF sequential shooting) or BKT (auto bracketing).	P. 59
ISO	Selects ISO sensitivity.	P. 74
P/A/S/M	Exposure mode can be selected from P (Program auto), A (Aperture priority auto), S (Shutter priority auto), or M (Manual mode).	P. 33
	Adjusts the flash intensity.	P. 53
DIGITAL ZOOM	Digitally increases the optical zoom range to a maximum of approximately 12x.	P. 46
PANORAMA	Allows panorama pictures to be taken with Olympus CAMEDIA-brand card.	P. 66
2 IN 1	Combines two pictures taken in succession and stores them as a single picture.	P. 68

PICTURE tab		
	Sets the record mode resolution.	P. 70
WB	Sets the appropriate white balance according to the light source.	P. 77
SHARPNESS	Adjusts the sharpness of images.	P. 78
CONTRAST	Adjusts the contrast of images.	P. 78

CARD tab

CARD SETUP	Formats the card.	P. 98
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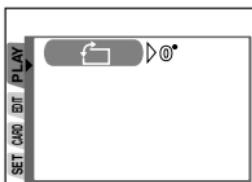
SETUP tab

ALL RESET	Selects whether to keep the current camera settings when you turn off the power.	P. 93
INFO	Changes the amount of information displayed on the monitor.	P. 97
 (b))	Turns off the beep sound (used for warnings, etc.).	P. 99
REC VIEW	Selects whether to display the image being recorded onto the card.	P. 100
MY MODE SETUP	Saves settings you customized.	P. 63
SLEEP	Sets the sleep timer.	P. 101
FILE NAME	Chooses how to name files and folders of images to be saved.	P. 102
PIXEL MAPPING	Checks the CCD and image processing circuit for errors.	P. 103
 (b)	Adjusts the monitor brightness.	P. 99
 (b)	Sets the date and time.	P. 22
SHORT CUT	Lets you assign frequently used functions as shortcut menus on the top menu.	P. 94
VIDEO OUT	Selects NTSC or PAL according to your TV's video signal type.	P. 101

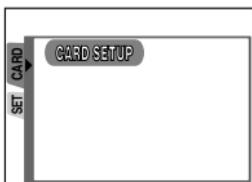
MODE MENU (playback)

The menu items available in the MODE MENU during still picture playback are different from those available during movie playback. Press Δ ∇ to select a tab and display the associated functions.

During still picture playback



During movie playback



PLAY tab

	Rotates recorded pictures 90 degrees clockwise (+90°), or counter-clockwise (-90°) and displays them.	P. 83
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EDIT tab

	Creates black and white pictures.	P. 90
	Creates sepia-toned pictures.	P. 90
	Makes the file size smaller and saves it as a new picture.	P. 91

CARD tab

CARD SETUP	Formats the card (FORMAT), or erases all images in the card (ALL ERASE).	P. 89, 98
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SETUP tab

ALL RESET	Selects whether to keep the current camera settings when you turn off the power.	P. 93
	Turns off the beep sound (used for warning, etc.).	P. 99
	Adjusts the monitor brightness.	P. 99
	Sets the date and time.	P. 22
	Selects the number of frames in the index display.	P. 82
VIDEO OUT	Selects NTSC or PAL according to your TV's video signal type.	P. 101

Shooting modes

Select the shooting mode that's appropriate for the type of photograph or the shooting conditions. Set the mode dial and shoot.

••••• ••••• Note •••••

- Rotating the mode dial may return some settings to the factory default settings even when ALL RESET is set to OFF.

[AUTO] Full-auto shooting

Easy to use automatic mode selecting the optimal exposure and focus for general photography. In full Auto, special functions and controls such as Flash intensity control or drive modes cannot be set by the user. This is the simplest of all shooting modes.

◀ Portrait shooting

Suitable for shooting a portrait-style image of a person. This mode features an in-focus subject against a blurred background. The camera automatically sets the optimal shooting settings.

◀ Landscape+Portrait shooting

Suitable for taking photos of both your subject and the background. The picture is taken with the background as well as the subject in the foreground in focus. The camera automatically sets the optimal shooting settings.

▲ Landscape+Scene shooting

Suitable for taking pictures of landscapes and other outdoor scenes. This mode produces clear, sharp pictures with excellent detail, making it ideal for shooting natural scenery. The camera automatically sets the optimal shooting settings.

Shooting modes

★ Night-Scene shooting

Suitable for shooting pictures of outdoor scenes in the evening or at night. For example, if you take a picture of a street at night in other modes, the lack of brightness will result in a dark picture with only the sparkle of lights such as street lamps appearing. In the Night Scene shooting mode, the true appearance of the street can be captured. The camera automatically selects the optimal settings for this type of shooting condition. Since the shutter speed is slow, make sure you stabilize the camera by using a tripod.



★ Sports shooting

Suitable for capturing fast-moving action without blurring. The camera automatically sets the optimal shooting conditions.

★ Self Portrait shooting

Enables you to take a picture of yourself while holding the camera. Point the lens towards you and take a shot. The focus is locked on you (shooter). The camera automatically selects the optimal settings for this type of shooting condition. Zooming is not possible in this mode.



★ Movie recording

Allows you to record movies. The camera sets the aperture and shutter speed automatically.

★ My Mode

Your favorite settings can be saved. Customized settings are activated in the  mode. Settings such as aperture value, zoom position, etc. can be customized (P. 63).

P/A/S/M Program/Aperture priority/Shutter priority/Manual shooting

● P (Program shooting)

Allows you to shoot using an aperture and shutter speed that the camera sets.

● A (Aperture priority shooting)

Allows you to set the aperture manually. The camera sets the shutter speed automatically. By decreasing the aperture value (F-number), the camera will focus within a smaller range, producing a picture with a blurred background. Increasing the value will let the camera focus over a wider range in the forward and backward directions, resulting in a picture in which both the subject and the background are in focus (P. 41).



Aperture (F-number) is decreased.



Aperture (F-number) is increased.

● S (Shutter priority shooting)

Allows you to set the shutter speed manually. The camera sets the aperture automatically. Set the shutter speed according to the subject and the type of effect you want (P. 42).



Setting the shutter speed higher lets you capture fast-moving action without blur. The subject will be clear and sharp, as if it is not moving.



Setting the shutter speed lower blurs a moving subject, giving the impression of movement.

● M (Manual shooting)

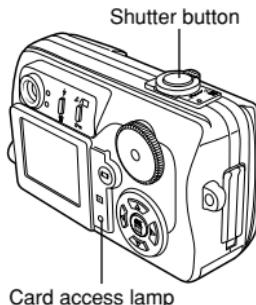
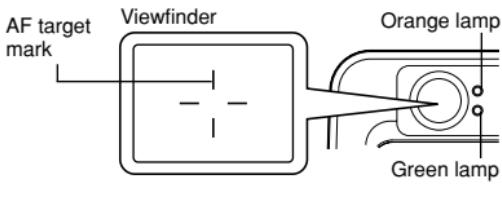
Allows you to set the aperture and shutter speed manually. To check the exposure, refer to the exposure differential. This mode gives you more creative control, allowing you to make the settings you need to get the type of picture you want, regardless of optimum exposure (P. 43).

How to press the shutter button

- 1 Point the camera towards the subject.
Place the AF target mark on the subject.
Press the shutter button slowly and gently (halfway).
 - When the focus and exposure (brightness) are locked, the green lamp next to the viewfinder lights steadily.



- 2 Press the shutter button all the way (fully).
 - Shooting starts and the card access lamp blinks.
 -  mode: The camera starts recording a movie and the orange lamp lights.



Focusing

Auto focus

When you place the AF target mark on a subject and press the shutter button halfway, the green lamp lights up. This means that focusing has been performed automatically.

If the green lamp blinks, focusing is not correct. If this happens, use Focus lock (P. 37).

When you are too close to a subject, the green lamp blinks. If this happens, try macro mode shooting (P. 55).

Focusing

When Auto focus does not work (Subjects that are difficult to focus on)

Under certain types of conditions auto focus may not work properly. If you run into problems, try the procedure below.

Conditions ①, ② and ⑤

Auto focus may not work properly. The green lamp may blink.

Conditions ③ and ④

Auto focus may not work properly even when the green lamp lights when you press the shutter button down halfway.

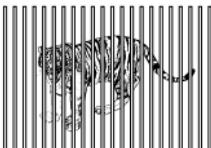
① Subjects with low contrast



② Subjects in excessively bright light in the center of the frame



③ Subjects at different distances

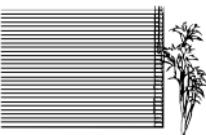


④ Fast-moving subjects



Position the AF target mark in the viewfinder on an object that is the same distance from the camera as the subject, then half-press the shutter button to lock focus, while keeping your finger half-pressed on the shutter button, frame the picture you want to shoot, and then fully press the shutter button.

⑤ Subjects with no vertical lines



Hold the camera vertically, half-press the shutter button and hold it down to lock the focus. Re-position the camera horizontally, compose the picture and then fully press the shutter button to take the picture.

Focus lock (Focusing on subjects that are not in the center of the frame)

If the subject of your composition is not within the AF target mark and focusing is not possible (as illustrated to the right), try the following:



AF target mark

Available modes

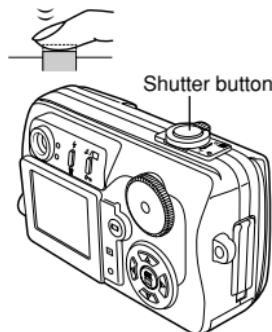


- 1 Position the AF target mark over the subject.



- 2 Press the shutter button halfway to lock the focus.

- Focus and exposure are locked and the green lamp lights up.
- If the green lamp blinks, focus and exposure are not locked. Release your finger from the shutter button and position your subject again. Repeat step 2 until the green lamp lights up without blinking.



- 3 Compose your picture (point the camera towards the subject) while keeping the shutter button pressed halfway.



- 4 Press the shutter button all the way.



Taking still pictures

Taking pictures while looking through the viewfinder

Available modes

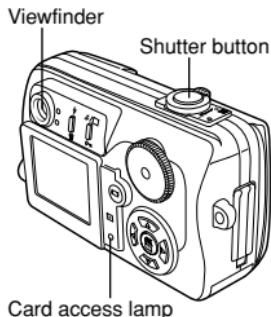


1 Open the lens barrier.

2 Position your subject within the AF target mark while looking through the viewfinder.

3 Take the picture (P. 35).

- The card access lamp blinks while pictures are being stored on the card.



- Number of still pictures that can be stored on a 32 MB card:
HQ record mode (2560 x 1920): Approx. 26
SQ2 record mode (640 x 480 NORMAL): Approx. 199

..... **Note**

- Press the shutter button gently using the ball of your finger. If the button is pressed hard, the camera may move and pictures may come out blurred.
- Recorded pictures will remain on the card if the camera is turned off or the battery or card is replaced.
- Never open the battery/card compartment cover or disconnect the optional AC adapter while the card access lamp is blinking. Doing so could destroy stored pictures and prevent storage of pictures you have just taken.

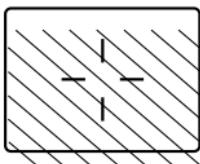
Taking still pictures

Comparison of the viewfinder & monitor

Take pictures with either the viewfinder and monitor (see below for information on the advantages of each).

Viewfinder	LCD Monitor
Advantage: Camera movement does not occur easily and subjects can be seen clearly even in bright places. Little battery power is used.	Advantage: You can check the picture area that the camera actually records.
Disadvantage: When close to a subject, the image in the viewfinder is a little different from the picture that the camera actually records.	Disadvantage: Camera movement can occur easily and subjects may be difficult to see in bright/dark places. The monitor uses more battery power than the viewfinder.
Tips: Use the viewfinder for general snapshots (landscape pictures, casual shots, etc.).	Tips: Use the monitor when you need to know the exact area the camera records, or to shoot close-up pictures of flowers, persons, etc.

Viewfinder



- The camera records a wider area than the image in the viewfinder.
- As you get closer to the subject, the actual image recorded (striped area) becomes lower than the one in the viewfinder (see left).

Aperture setting (Aperture priority shooting)

Available modes



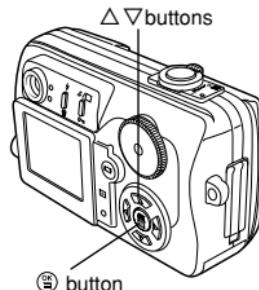
1 In the top menu, select MODE MENU → CAMERA → P/A/S/M → A. Press . Press again to cancel the menu.

2 Set the aperture value.

To increase the aperture value (F-number), press Δ .



To decrease the aperture value (F-number), press ∇ .



3 Take the picture.

■ The aperture value is displayed in green

The aperture you have set will provide optimum exposure.

■ The aperture value is displayed in red

The aperture you have set is unsuitable for the conditions.

∇ appears: Press ∇ to decrease the aperture value.

Δ appears: Press Δ to increase the aperture value.

Aperture value (F-number)



Zoom position	Value
Wide (W)	f2.8* – f8.0
Tele (T)	f4.8* – f8.0

*Open-aperture (the widest aperture setting) depends on the zoom position.

••••• Note •••••

- When the flash is set to the auto-flash mode, the shutter speed is fixed at 1/30 second in the maximum wide-angle, or 1/100 second in the maximum telephoto, and can never go slower.

Taking still pictures

Shutter speed setting (Shutter priority shooting)

Available modes



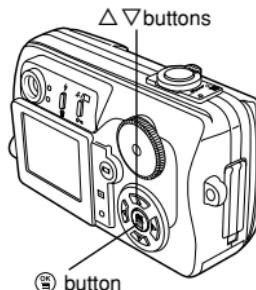
1 In the top menu, select MODE MENU → CAMERA → P/A/S/M → S. Press . Press again to cancel the menu.

2 Set the shutter speed.

To set a faster shutter speed, press Δ .



To set a slower shutter speed, press ∇ .



3 Take the picture.

■ The shutter speed is displayed in green

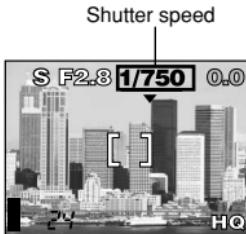
The shutter speed you have set will provide optimum exposure.

■ The shutter speed is displayed in red

The shutter speed you have set is unsuitable for the conditions.

∇ appears: Press ∇ to set the shutter speed slower.

Δ appears: Press Δ to set the shutter speed faster.



Shutter speed range: 1/2 - 1/1000 sec.

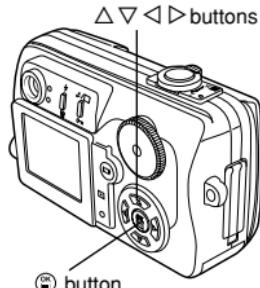
(For Slow synchronization [SLOW] or Slow synchronization with red-eye reduction [SLOW] flash: 4 - 1/1000 sec.)

Aperture & Shutter speed setting (Manual shooting)

Available modes



1 In the top menu, select MODE MENU → CAMERA → P/A/S/M → M. Press . Press again to cancel the menu.



2 Set the aperture value and shutter speed.

To set a faster shutter speed, press Δ .

To increase the aperture value (F-number), press \triangleleft .



To decrease the aperture value (F-number), press \triangleright .

To set a slower shutter speed, press ∇ .

3 Take the picture.

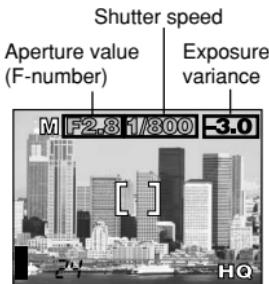
F-number: W → f2.8* - f8.0
T → f4.8* - f8.0

Shutter speed: 8 - 1/1000 sec.

* Open-aperture (the widest aperture setting) depends on the zoom position.

■ Exposure variance

- The difference (ranging from -3.0 to +3.0) between the exposure determined by the currently selected aperture and shutter speed and the exposure considered optimal by the camera appears in the upper right-hand corner.
- When the exposure variance is set to less than -3.0 or more than +3.0, the exposure variance appears in red.



Note

- To avoid camera movement, we recommend use of a tripod for any effect which uses a slow shutter speed.

Movie recording

Available modes



1 Point the camera towards a subject, and place the subject on the AF target.

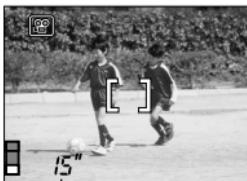
- The total possible recording time and the  mark are displayed on the monitor.
- Focus locks when the shutter button is pressed halfway.



Total recording time

2 Press the shutter button all the way to start recording.

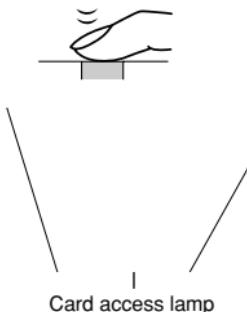
- The number of seconds remaining appear.
- During movie recording,  lights in red.



Seconds remaining

3 Press the shutter button all the way to stop recording.

- The card access lamp blinks and the camera begins storing the movie on the card. You cannot record another movie as long as the card access lamp is blinking.
- When the card access lamp stops blinking, the camera has finished writing the movie to the card. If there is any space left on the card, the number of seconds remaining is displayed. You can start recording another movie.
- If the displayed seconds remaining reach “0”, shooting finishes automatically and the camera starts writing the movie to the card.

**Note**

- During movie recording, the flash and optical zoom cannot be used. To use zoom, set DIGITAL ZOOM to ON (P. 46).
- It takes longer to store movies than still pictures.
- You cannot record movies with sound.

Zoom (Telephoto/Wide-angle shooting)

Telephoto/Wide-angle shooting is possible at up to 3x magnification (optical zoom limit, equivalent to 38 mm – 114 mm on a 35 mm film). By combining the digital zoom with the optical zoom, zoom magnification can be extended to a maximum of approximately 12x.

Shoot a wider view picture (wide-angle)

Press the zoom lever toward W to zoom out.



Zoom in on a subject (telephoto)

Press the zoom lever toward T to zoom in.

Digital zoom

Available modes



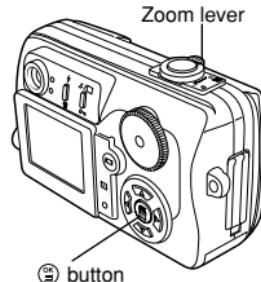
1 :

In the top menu, select **DIGITAL ZOOM** → **ON**. Press .

  :

In the top menu, select **MODE MENU** → **CAMERA** → **DIGITAL ZOOM** → **ON**. Press .

• Press  again to cancel the menu.



2 Press the zoom lever towards T.

- The zoom bar appears.
- When  is pressed, the monitor turns off and **DIGITAL ZOOM** becomes set to **OFF**. If  is pressed again, **DIGITAL ZOOM** becomes set to **ON**.

Zoom (Telephoto/Wide-angle shooting)

Zoom area



Indicates digital zoom

Indicates optical zoom

Digital zoom ON

The cursor moves on the zoom indicator according to the zoom magnification.

**Factory default setting: OFF****Note**

- Images captured with the digital zoom may appear pixelated or grainy.
- Camera movement is likely to happen at higher magnifications. Stabilize the camera with a tripod, etc. to avoid camera movement.

Flash shooting

You can select a flash mode appropriate to the lightning conditions and the effect you want to achieve. You can also adjust the amount of light emitted using the flash intensity control (P. 53).

The flash modes are as follows:

Auto-flash

Automatically fires in low-light and backlight conditions.

Red-eye reduction flash

This mode significantly reduces the "red-eye" phenomenon by emitting several pre-flashes before firing the regular flash. This mode works the same as the auto-flash except for the pre-flashes.



The subject's eyes appear red.

Note

- After the pre-flash, it takes approximately 1 second before the shutter is released. Hold the camera firmly after the pre-flash to prevent camera movement.
- Effectiveness may be limited if the subject is not looking directly at the pre-flashes, or if the shooting range is too far. Individual physical characteristics, such as light-colored eyes, may also limit effectiveness.

Fill-in flash

The flash fires regardless of available light. This mode is useful for eliminating shadows on the subject's face or for correcting the color shift produced by artificial lighting (especially fluorescent light).



Note

- Fill-in flash may not have the desired effect under excessively bright light.

Flash off 

Set the flash to this mode when you do not want to use the flash. Use this mode in situations where flash photography is not desired or is prohibited, or when you want to shoot a natural-looking twilight or night scene.

Note

- Since a slow shutter speed is automatically selected in low-light situations when in the flash off mode, the use of a tripod is recommended to prevent your pictures from being blurred by camera movement.

Slow synchronization    

The Slow Synchronization flash is designed for slow shutter speeds.

Normally, when shooting with a flash, shutter speeds cannot go below a certain level to prevent camera movement. But when shooting a night scene background, fast shutter speeds can make the background too dark. Slow Synchronization flash allows both a slow shutter speed for the background and a flash for the subject. Since the shutter speed is slow, make sure you stabilize the camera by using a tripod. Otherwise, camera movement may cause the image to be blurred.

**■  SLOW:****Slow synchronization**

Regardless of the shutter speed, the flash fires right after the shutter fully opens.

■   SLOW:**Slow synchronization with red-eye reduction**

This is for when you want to use Slow Synchronization yet also reduce red-eye. For instance, when shooting a person against a brightly lit night background. A normal flash might make the person's eyes red, but slow synchronization with red-eye reduction lets you capture the background correctly and reduce red-eye at the same time.

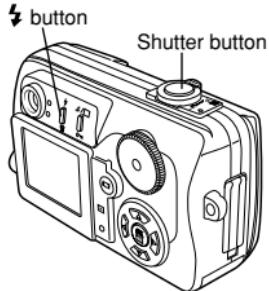
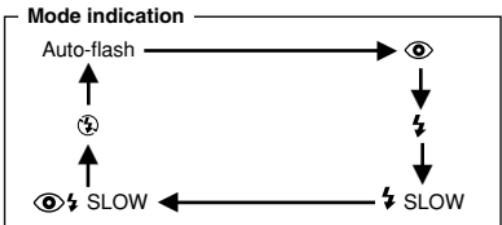
Flash shooting

Using the flash

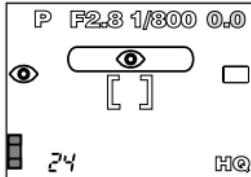
Available modes



1 Press repeatedly until the desired flash mode indication appears.

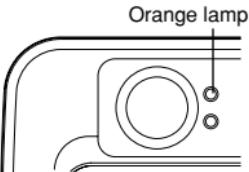


- If is not pressed for 2 seconds, the selection screen disappears.



2 Take the picture.

- When the flash is ready to fire, the orange lamp next to the viewfinder lights up and the (flash stand-by) mark is displayed on the monitor. When is blinking, the flash is charging. When stops blinking, the camera is ready to shoot.



Flash working range

W (max.) : Approx. 0.2 m – 3.4 m (0.6 ft – 11.2 ft)

T (max.) : Approx. 0.3 m – 2.0 m (1.0 ft – 6.6 ft)

Mode						P A/S/M				*
Flash mode						P	A	S	M	*
Auto-flash	✓	✓	✓	—	✓	✓	✓	—	—	✓
	✓	✓	✓	—	—	✓	—	—	—	✓
	—	✓	—	—	—	✓	—	—	—	✓
SLOW	—	—	—	✓	—	✓	—	✓	✓	✓
SLOW	—	—	—	✓	—	✓	—	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓: Available, —: Not available, : Factory default setting

* The factory default setting and the available settings differ depending on which shooting mode is selected.

Flash shooting



TIPS

- **The flash does not fire.**

→ Flash does not fire in the following situations:

When shooting a bright subject, in the movie recording mode (P. 44), during sequential shooting ( * , **BKT**) (P. 59), during Panorama shooting (P. 66).

*Red-eye reduction flash () and slow synchronization with red-eye reduction flash ( SLOW) are not available.

- **Camera movement warning (auto, red-eye reduction (), fill-in ())**

When the orange lamp or  (camera movement warning) lights up, the shutter speed locks at its current level. This helps prevent camera movement problems (shutter speeds that are too slow can cause blur). However, if the zoom magnification is increased, the camera will increase the locked shutter speed accordingly.

Zoom position & shutter speed

W (max.): 1/30 sec., T (max.): 1/100 sec.

Note

- The flash may not give you the optimum result in macro mode, especially with wide-angle shooting. Check the image on the monitor.

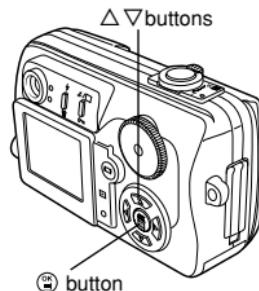
Flash intensity control

You can adjust the amount of light emitted by the flash.

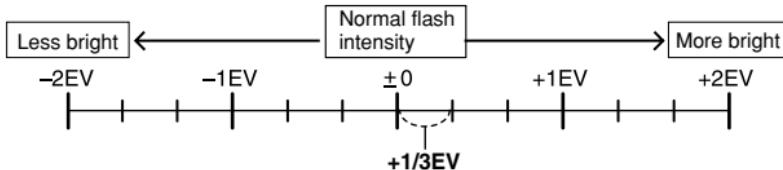
In some situations, you may get better results by adjusting light emission. Examples include small subjects, distant backgrounds, or situations when increased contrast is desired. This function is also useful for adjusting the contrast of images.



In the top menu, select MODE MENU → CAMERA → . To increase the light emission, press Δ . To decrease the light emission, press ∇ . To complete the setting, press . Press  again to cancel the menu.



Adjustable range



Δ : Light emission is increased by a 1/3 EV each time you press the button.

∇ : Light emission is decreased by a 1/3 EV each time you press the button.

(EV: Exposure Value)

Factory default setting: ± 0

Note

- The flash adjustment effect may not be sufficient if the shutter speed is too fast.

Spot metering (Selecting the metering area)



There are 2 metering methods: Digital ESP metering and spot metering.

Digital ESP metering: Meters the center of the frame and the area around it separately to determine the optimal exposure.

Spot metering:

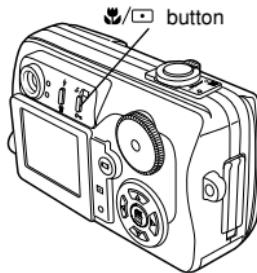
Meters within the AF target mark to determine exposure. A subject can be shot with optimal exposure regardless of the background light (such as when the subject is dark due to back lighting.) When is set, you can use spot metering when shooting up close to a subject.



1 Press / repeatedly until (spot metering) or (spot metering+ macro mode) appears.

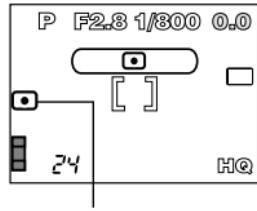


- If / is not pressed for 2 seconds, the selection screen disappears.



2 Take a picture.

Factory default setting: Digital ESP



Spot metering

Macro mode shooting (Taking close-up pictures)



Macro shooting allows you to shoot from as close as 30 cm (1 ft) to a subject while the zoom lever is pressed to the maximum T position. You can fill the entire frame with a very small subject. As the center of the frame (within the AF target mark) is metered and optimal exposure is obtained when  is set, the picture turns out well (P. 54).

Normal shooting

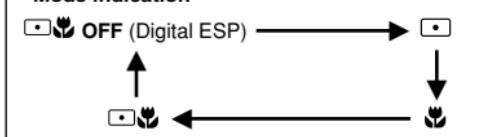


Macro mode shooting



1 Press  repeatedly until  (macro mode) or  (spot metering+ macro mode) appears.

Mode indication



- If / is not pressed for 2 seconds, the selection screen disappears.

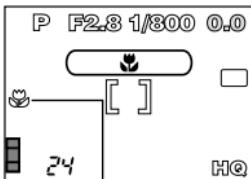
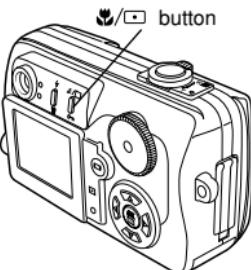
2 Take a picture while observing your subject on the monitor.

Macro shooting range

Wide-angle (W) : 20 cm to 50 cm (0.7 ft to 1.6 ft)

Telephoto (T) : 30 cm to 50 cm (1.0 ft to 1.6 ft)

Factory default setting: Digital ESP



Macro mark

Self-timer shooting



This function is useful for taking pictures where you want to be included in the photograph.

Available modes



1 :

In the top menu, select → . Press .

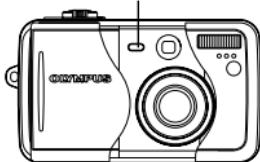
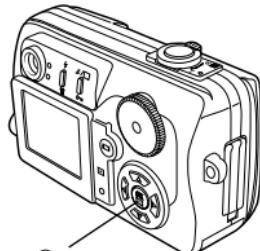
:

In the top menu, select MODE MENU → CAMERA → → . Press .

• Press again to cancel the menu.

2 Take the picture.

- The self-timer starts.
- The self-timer/remote control lamp lights up for approximately 10 seconds, then starts blinking. After blinking for approximately 2 seconds, the picture is taken.
- Movie recording starts approximately 12 seconds after pressing the shutter button. To stop recording, press the shutter button fully again.
- To stop the self-timer, press . The self-timer/remote control lamp will turn off.



Factory default setting: OFF

Note

- The self-timer is not saved after the power is turned off even if All Reset is set to OFF (P. 93).
- The self-timer is canceled automatically when shooting is finished.
- In the mode, the camera automatically stops recording when it reaches the maximum recording time.
- Sequential shooting is not possible with the self-timer.

Remote control shooting



Shooting is possible using the remote control. This is useful when you want to take a picture with yourself in it. If you want to release the shutter without touching the camera (when shooting night scene pictures, etc.), you can use the remote control instead of the camera's shutter button.



1 **AUTO** :

In the top menu, select → . Press .

:

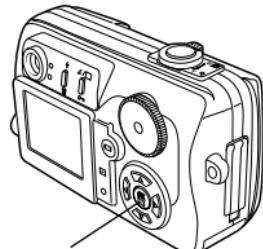
In the top menu, select **MODE MENU** → **CAMERA** → → . Press .

• Press again to cancel the menu.

2 Point the remote control at the remote control receiver on the camera. Press the shutter button on the remote control.

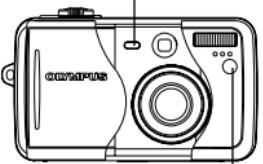
- The camera's self-timer/remote control lamp blinks for about 3 seconds before taking the picture.
- The remote control mode is not canceled automatically after shooting. Perform step 1: Set to OFF.

Factory default setting: OFF



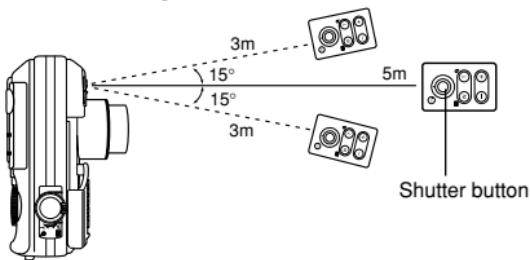
button

Self-timer/Remote control lamp



Remote control receiver

Transmitted remote control signal effective area



Remote control shooting



TIPS

- **If the camera's self-timer/remote control lamp does not blink after pressing the shutter button on the remote control.**

- The remote control may be too far away from the camera. Move the remote control or change your position as necessary so that the remote control signal can reach the camera, then press the shutter button again on the remote control.
- There may be signal interference. Change the signal as described in the remote control's instructions.

- **Is it possible to use the remote control during playback?**

- If the camera is connected to a TV, images on a TV can be played back using the remote control. The remote control serves as a presentation tool.
- Recorded images can be played back in order.
- Index display and close-up playback are possible.

.....  **Note**

- If the remote control receiver is exposed to strong light, such as direct sunlight, shooting may not take place, even if the remote control is within the effective signal distance.
- To shoot sequential shots using the remote control, press and hold the shutter button on the remote control. If the camera does not receive the remote control signal properly, sequential shooting may stop.
- Read the remote control's instructions for information on playback with the remote control.

Sequential shooting

There are 3 sequential shooting modes: sequential shooting (), AF sequential shooting () and auto bracketing (BKT).

Sequential shooting modes can be selected from the DRIVE mode menu.

Drive mode



: Shoots 1 frame.



: Shoots a maximum number of 3 frames (in the HQ mode) sequentially at approximately 1 frame/sec. Focus, exposure and white balance are locked at the first frame.



: Shoots pictures sequentially. Focus is locked for each frame automatically. The AF sequential shooting speed is lower than normal sequential shooting.



: Auto bracketing (P. 60)

Sequential shooting & AF sequential shooting

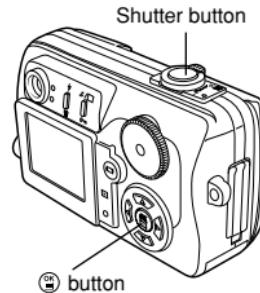
Available modes



1 In the top menu, select MODE MENU → CAMERA → DRIVE →  or  . Press  . Press  again to cancel the menu.

2 Take pictures.

- Press the shutter button all the way and keep it pressed. The camera will take pictures in sequence until you release the button.



Sequential shooting

Auto bracketing (Shooting pictures sequentially with a different exposure for each frame) **BKT**

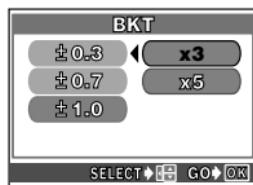
Under some conditions, you may obtain better results shooting with exposure compensation than by using the exposure setting considered optimal by the camera. During auto bracketing, exposure is changed for each frame. The exposure variance can be selected in the menus. Focus is locked at the first frame.

Example: When BKT is set to ± 1.0 , x3



3 Press $\Delta \nabla$ to select the number of frames to shoot (x3 or x5), then press OK .

- In some combinations of picture size and record mode, only x3 is available.
- Press OK twice to exit the menu.



4 Take pictures.

- Press the shutter button all the way and keep it pressed to shoot the preset number of pictures. You can stop shooting at any time by releasing the shutter button.

Modes & Drive mode

Mode Drive mode	 	P A/S/M				*
		P	A	S	M	
	✓	✓		✓	✓	✓
	✓	✓		✓	✓	✓
AF	-	✓		✓	✓	✓
BKT	-	✓		✓	-	✓

✓ : Available, - : Not available, : Factory default setting

* The available settings differ depending on which shooting mode is selected.

Sequential shooting

••••• Note •••••

- Sequential shooting ( ,  , BKT) is not available when the record mode is set to TIFF (P. 70).
- If there is not enough space available on the card for the number of frames you have set during auto bracketing, you cannot continue shooting.
- If the battery power dies during sequential shooting, shooting stops and the camera starts saving the pictures you have taken. Whether or not all of the shots are saved depends on how much battery power remains.
- Since the maximum shutter speed is set to 1/30 second during sequential shooting, the flash will fire when shooting a dark subject.
- It takes longer than usual to store pictures after sequential shooting.

My Mode setting

My Mode lets you save customized settings. When the camera is in the **P/A/S/M** mode, you can also save settings you are currently using as **CURRENT** settings. The settings that can be saved with My Mode are listed on P. 65.



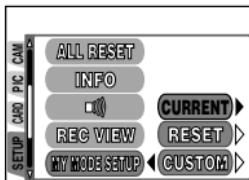
1 In the top menu, select **MODE MENU** → **SETUP** → **MY MODE SETUP**. Press **▷**.

2 Press **△▽** to select the item you want, then press **▷**.

CURRENT : Saves the settings you are using now.

RESET : Restores the factory default settings.

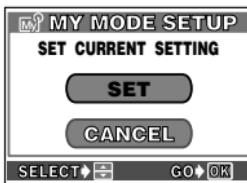
CUSTOM : Saves settings one by one. Go to step 4.



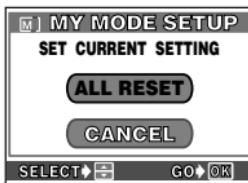
3 Set **CURRENT** or **RESET** on each **MY MODE SETUP** screen. After selecting the setting, press **OK**. Go to step 7.

- To cancel the setting, select **CANCEL**.

When **CURRENT** is selected:
Select **SET**.



When **RESET** is selected:
Select **ALL RESET**.



My Mode setting

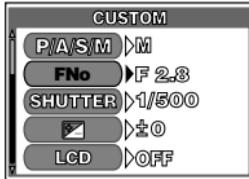
4 Set CUSTOM on the CUSTOM screen. Press $\Delta\triangledown$ to select the functions you want, then press \triangleright .

5 Select the setting within the function by using $\Delta\triangledown$, then press OK .

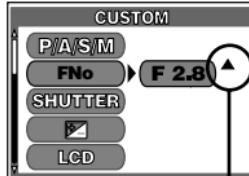
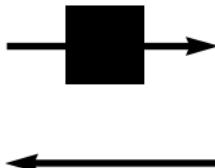
- Repeat steps 4 and 5 to change other functions.

Example: When setting the aperture on the CUSTOM screen.

CUSTOM screen



Press \triangleright to go to the aperture setting screen.



Increases the value



Decreases the value

Press OK to save the setting. The monitor then returns to the previous screen.

6 When you have made all the settings you want, press OK to exit from the CUSTOM screen. Custom setting registration is complete.

7 Press OK twice to exit the menu.

..... **Note**

- When you save settings in CURRENT, the zoom position value will be saved as 38, 50, 70 or 114 mm, depending on which is closest.

Available items and factory default settings

Setting	Factory default setting	Ref. page
P/A/S/M	P	P. 33
FNo	F2.8	P. 41, 43
SHUTTER	1/500	P. 42, 43
	±0	P. 76
LCD*1	ON	–
ZOOM*2	38mm	P. 46
FLASH MODE	AUTO	P. 48
	OFF	P. 54, 55
	OFF	P. 56, 57
DRIVE		P. 59
ISO	AUTO	P. 74
	±0	P. 53
DIGITAL ZOOM	OFF	P. 46
	HQ	P. 70
WB	AUTO	P. 77
SHARPNESS	NORMAL	P. 78
CONTRAST	NORMAL	P. 78

*1 This sets the monitor to ON or OFF when the camera is turned on.

*2 In the  mode, available zoom positions are 38/50/70/114mm (these numbers are based on a 35 mm film).



4 Press  to finish panorama shooting.

- Frames on the edges of the screen disappear, and the camera returns to the normal shooting mode.

 **Note**

- During panorama shooting, the flash and sequential shooting are not available.
- If you take 10 pictures, a warning screen appears and no more pictures can be taken.



- Panorama shooting is only available with an Olympus xD-Picture Card.
- The camera itself cannot connect panorama pictures. To connect each picture, use the CAMEDIA Master software.
- Your computer's memory may be insufficient if you take too many panorama pictures in the HQ/SHQ modes. In this case, the software may not complete stitching.
- Images are saved in the SHQ mode when panorama shooting is done even when the camera is in the TIFF mode.
- If the mode dial is moved during panorama shooting, the camera cancels the panorama shooting and returns to normal shooting.

Taking two-in-one pictures

2 IN 1

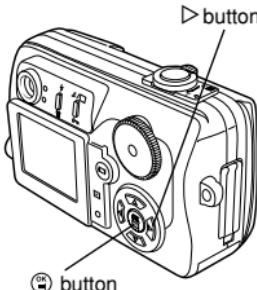
Allows you to combine two pictures taken in succession and store them as a single picture.



Available modes



1 In the top menu, select MODE MENU → CAMERA → 2 IN 1. Press ▶.



2 Take the first shot.

- The subject will be on the left in the combined image.
- To cancel the two-in-one picture mode after taking the first shot, press ◀. The first shot will not be stored.



3 Take the second shot in succession.

- The subject will be on the right in the combined image.



Note

- During two-in-one (2 IN 1) shooting, the following functions are not available: Panorama shooting, Sequential shooting, AF sequential shooting, Auto bracketing (BKT)
- When taking two-in-one (2 IN 1) pictures in the TIFF mode, the pictures are saved in the SHQ mode.

Record mode

Choose the best record mode for your purposes (printing, editing on a computer, web-site editing, etc.). To see how large xD-Picture Card memory capacity is under various conditions (such as different resolutions, compressions, or file formats), refer to the table on page 71.

Record mode	Description	Quality	File size
TIFF	The highest-quality mode. Images are saved as uncompressed data, which is the best for printing or image-processing on a computer.	Highest	Larger
SHQ	A high quality mode using the JPEG format. Because the compression rate is very low, high quality images can be stored.		
HQ	A high quality mode using the JPEG format, with medium compression. Because the compression rate is higher than SHQ, file sizes are smaller, so more images can be saved to a card.		
SQ1 SQ2	The most compressed modes. SQ2 has 3 resolutions available. Select the setting most suitable to your application (printing, Web pages, etc.).	Normal	Smaller

Still Picture Record Modes

The memory capacity listed here is approximate.

Record mode	Pixel resolution	Compression	File format	Memory capacity in # of shots		
				32MB	64MB	
TIFF	2560x1920	Uncompressed	TIFF	2	4	
SHQ	2560x1920	Low compression	JPEG	13	26	
HQ	2560x1920	Normal		26	52	
SQ1	2048x1536			30	61	
SQ2	1600x1200			66	132	
	1280x960			104	209	
	1024x768			153	306	
	640x480			199	398	

Movie Record Modes

The memory capacity listed here is approximate.

Record mode	Pixel resolution	Memory capacity in seconds per movie
HQ	320x240 (15 frames/sec.)	Max. recording time for one movie: 16 seconds
SQ	160x120 (15 frames/sec.)	Max. recording time for one movie: 70 seconds

Record mode

Selecting still picture record modes

Available modes



- In the top menu, select → TIFF, SHQ, HQ, SQ1 or SQ2.
 - To select TIFF, set the mode dial to or .
 - To select a resolution for SQ2, set the mode dial to or .

- Press to select the desired record mode.

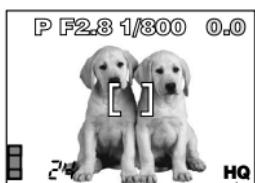
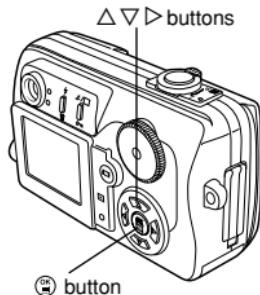
When you have chosen SQ2: Press .

When you have selected any other record mode: Go to step 4.

- Press to select the resolution, then press .

- Press to save the setting. Press again to cancel the menu.

Factory default setting: HQ



Record mode

Selecting movie record modes

Available modes



In the top menu, select → HQ or SQ. Press .

Factory default setting: HQ

**TIPS****• Resolution:**

The number of pixels (vertical x horizontal) used when saving an image. If the image will be printed, higher resolutions (larger numbers) are recommended so that the image will be clearer. However, higher resolutions make the file size (amount of data) larger, so less pictures can be saved to a card.

• Resolution and picture size on a computer screen:

When a picture is transferred to a computer, the size of the picture on the computer screen varies depending on the computer's monitor setting. For instance, a picture taken in 640x480 resolution is the same size as the screen if you set the picture to 1x when the monitor setting is 640x480. However, if the monitor setting is over 640x480 (such as 1024x768), the picture only takes up part of the screen.

• Compression rate:

In record modes other than TIFF, image data is compressed. The higher the compression rate, the less clear the image will be.

• File format (P. 71):

This camera saves images with either TIFF or JPEG formats. In record modes other than TIFF, images are compressed in the JPEG format. The compression rate also varies in each mode (movies: QuickTime Motion JPEG (mov)).

**Note**

- The number of storable still pictures and the number of possible recording seconds differ depending on the record mode, the card's memory size and whether or not Print reserve is applied to the card.
- The number of storable pictures may not be reduced every time a picture is taken, or increased when a picture is erased. The amount of data varies depending on the subject of the image.

ISO sensitivity

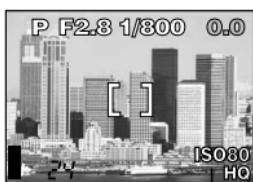
The higher the ISO value, the greater the camera's light sensitivity and the better its ability to shoot in low-light conditions. However, higher values also introduce electrical noise into the resulting image, which may make give the image a grainy appearance.



In the top menu, select MODE MENU → CAMERA → ISO. Select the most suitable ISO (AUTO/80/160/320). Press . Press again to cancel the menu.

AUTO: Sensitivity is automatically adjusted according to the lighting conditions and the subject brightness.

80/160/320: 80 is best when you want to shoot clear, sharp images in daylight. With a higher ISO setting, you can use faster shutter speeds with the same amount of light.



ISO

Modes & ISO Sensitivity

Mode	P A/S/M				*	
	P	A	S	M		
ISO						
AUTO	✓	—			✓	✓
80	✓	✓			✓	✓
160	✓	✓			✓	✓
320	✓	✓			✓	✓

✓: Available, –: Not available, : Factory default setting

* The factory default setting and the available settings differ depending on which shooting mode is selected.

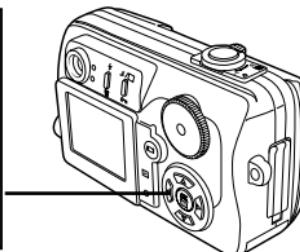
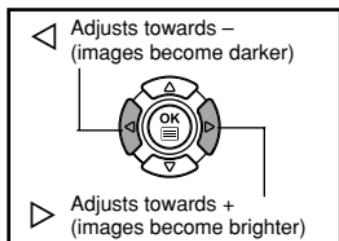
Note

- Higher ISO settings can produce more electrical noise.
- ISO is standardized based on the sensitivity of normal camera film. The scale is approximate.
- When ISO is set to AUTO and you shoot in dark conditions without a flash, ISO automatically increases; otherwise the shutter speed will be reduced, possibly resulting in blurred images due to camera movement.
- If a subject is too far away for the flash illumination to reach it when the ISO is set to AUTO, the ISO is automatically increased.

Exposure compensation

This function allows you to make fine changes to the present exposure setting. In some situations, you may get better results when the exposure that the camera sets is compensated (adjusted) manually. You can adjust between $+/-2.0$ in $1/3$ steps.

Available modes



- 2.0



0.0

(Factory default setting)



+ 2.0

Modes & Exposure Compensation

P A S M	P/A/S/M				My [*]	Image icon
	P	A	S	M		
✓	✓	-	✓	✓		

✓: Available, -: Not available,

* Available settings differ depending on which shooting mode is selected.



TIPS

- Often, bright subjects (such as snow) turn out darker than their natural colors. Adjusting towards "+" makes these subjects closer to their real shades. Adjust towards "-" when shooting dark subjects.

White balance

Color reproduction differs depending on the lighting conditions. For instance, when daylight, the setting sun, or indoor lighting are reflected on white paper, the shade of white produced will be slightly different for each. By setting the WB (white balance), you can achieve more natural-looking color.

Available modes

P A/S/M ;

In the top menu, select MODE MENU → PICTURE → WB, then select the best WB ( ,  ,  , ) for your shooting conditions. Press . Press  again to cancel the menu.

In the top menu, select WB → PRESET → ☀, ☁, ☀ or ☁. Press OK . Press OK again to cancel the menu.

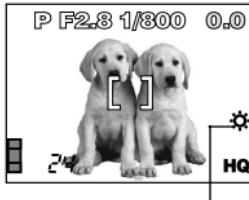
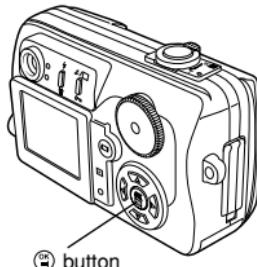
AUTO : For any light source.

☀ : For shooting on a sunny day.

 : For shooting on a cloudy day.

 : For shooting under tungsten light.

 : For shooting under fluorescent light.



White balance

! Note

- Set white balance to AUTO for normal shooting.
- White balance may not be effective under certain light sources.
- After setting the white balance, playback the image and check the color on the monitor.

Sharpness

This function adjusts the sharpness of images.

SOFT : Image outlines are softer. This makes it ideal for editing images on a computer.

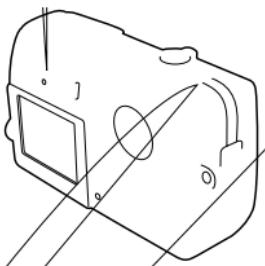
NORMAL : Image outlines are sharp. This makes it ideal for printing.

HARD : The outlines of images are more emphasized, and the images look more vivid. However, noise may appear.

Available modes



In the top menu, select MODE MENU → PICTURE → SHARPNESS → select a mode (NORMAL/SOFT/HARD). Press . Press again to cancel the menu.



Contrast

This function adjusts the contrast of images.

For example, images with strong differences in light and shadow can become milder, while those with weaker differences can become more vivid.

HIGH : This produces light and shade clearly, and the images are clear and crisp.

NORMAL: Between HIGH and LOW.

LOW : Images become softer with mild contrast. This makes it ideal for editing images on a computer.

Available modes



In the top menu, select MODE MENU → PICTURE → CONTRAST → select a mode (HIGH/LOW/NORMAL). Press . Press again to cancel the menu.

Playing back still pictures

Single-frame playback

Plays back one picture.

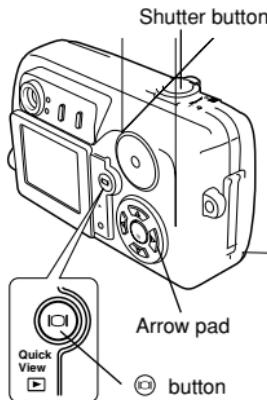
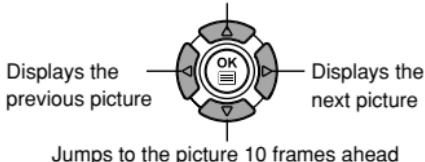
1 Press with the lens barrier closed.

- The monitor turns on and displays the last picture taken.

2 Use the arrow pad to play back other pictures.

- The  mark is displayed on movies (P. 84).

Jumps to the picture 10 frames behind



3 Press to cancel playback.

- The monitor and camera turn off.

Quick View

This function lets you play back pictures while the camera is in the shooting mode. This is useful when you want to check shooting results quickly. Every picture and function available in playback mode is also available in Quick View.



1 Press twice quickly (double-click) while in the shooting mode.

- The monitor turns on and displays the last picture taken.
- To play back other pictures, use the arrow pad in the same way as single-frame playback.

2 To return to shooting, press the shutter button halfway.

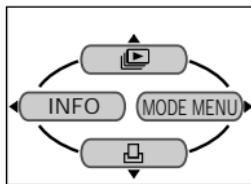
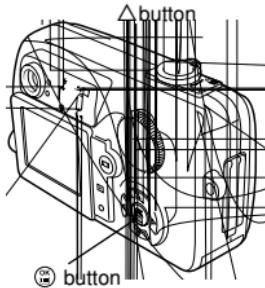
- The camera returns to the shooting mode and you can resume shooting.

Playing back still pictures

Slide-show

This function displays still pictures from the card one after another. It is not possible with movies. If a movie is played back, the camera only displays the first frame of the movie.

- 1 Display a still picture.
- 2 Press  to display the top menu.
- 3 Press  to start the slide-show.
- 4 Press  to stop the slide-show.



..... Note

- Use of the optional AC adapter is recommended when running a slide-show for long periods of time. If a battery is being used, the camera will end the slide-show after about 30 minutes and turn off.
- The slide-show will not stop until you cancel it by pressing .

Close-up playback

Pictures displayed on the monitor can be enlarged. Each time you turn the zoom lever towards T, pictures are enlarged by 1.5 – 4 times.

1 With the arrow pad, select the picture you want to enlarge.

- Pictures with the  mark cannot be enlarged.

2 Turn the zoom lever toward T (Q).

- When a picture is enlarged,  are displayed. Use the arrow pad to scroll the picture vertically and horizontally on the monitor.



TIPS

• How to return the picture to the original size (1x)

→ Turn the zoom lever to W.

• How to display another picture

→ Turn the zoom lever to W to return to 1x, then select the desired picture by using the arrow pad.

Note

- If slide-show is attempted during close-up playback, close-up playback is canceled.
- You cannot save the enlarged image.

Playing back still pictures

Index-display

This function lets you show many pictures at the same time on the monitor. It is useful for comparing your pictures and choosing the best ones. You can also select the number of frames displayed on the monitor.

1 Display a still picture (P. 79).

2 Press the zoom lever to W ().

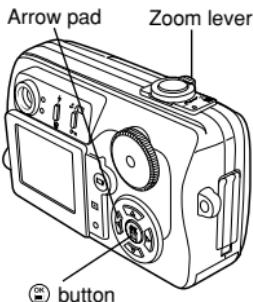
- Pictures appear in the index-display.

3 Select a picture using the arrow pad.

- The picture you select is framed in green.

■ How to use the arrow pad during an index display

- △: Moves to the previous frame.
- ▽: Moves to the next frame.
- △: Jumps to the previous index display (the frames before the top left frame).
- ▽: Jumps to the next index display (the frames following the bottom right frame).



4 To return to single-frame playback, press the zoom lever to T.

- The picture framed in green is displayed in full-size.

Selecting the number of frames in an index display

This function lets you change the number of pictures in an index display.

1 In the top menu, select MODE MENU → SETUP → . Press ▷.



2 Press △▽ to select the number of pictures (4/9/16), then press . Press again to cancel the menu.



Index display (4-frame)

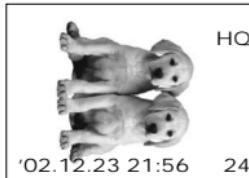
Picture rotation

This function lets you rotate pictures. When you take pictures holding the camera sideways, the top of their images are oriented to the side of the monitor. You can turn pictures horizontally, 90 degrees clockwise, or counter-clockwise.



1 Display the picture you want to rotate using the arrow pad.

- Pictures with  cannot be rotated.



2 In the top menu, select MODE MENU → PLAY → . Press ▶.



3 Press to select +90°/-90°, then press .

- The rotated image is saved.
- Press  again to cancel the menu.



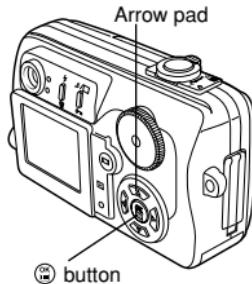
Note

- New picture orientations are saved even when the power is turned off.
- Protected pictures cannot be rotated (P. 87).

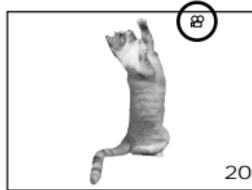
Playing back movies (MOVIE PLAY)

This function lets you play back or edit movies.

1 Display a picture with  using the arrow pad (P. 79).

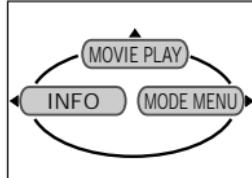


2 Press  to display the top menu.



3 Press .

- The MOVIE PLAY screen is displayed.



4 Press   to select MOVIE PLAYBACK or INDEX.

MOVIE PLAYBACK: Plays back movies.

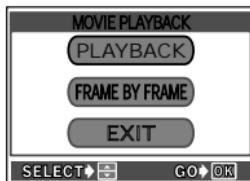
INDEX: Displays movies as indexes of 9 still frames (P. 86).



Playing back movies (MOVIE PLAY)

5 Press  to start playback.

- When movie playback ends, the display automatically returns to the beginning of the movie.

**6 Press  .**

- The MOVIE PLAYBACK screen is displayed.

7 Press   to select items.

PLAYBACK: Plays back the entire movie again.

FRAME BY FRAME: Plays back the movie manually one frame at a time.

EXIT: Cancels movie playback.

8 Press  to start your choice.

- When FRAME BY FRAME is selected, follow the instructions below.
- When EXIT is selected, the MOVIE PLAY screen appears. To exit, press .

■ Displaying movie frames using the arrow pad

 : Displays the first frame of the movie.

 : Displays the last frame of the movie.

 : Every time you press the button, the next frame appears. The movie can be displayed continuously by holding the button down.

 : Every time you press the button, the previous frame appears. The movie can be displayed continuously in reverse by holding the button down.

 : Displays the MOVIE PLAYBACK screen.

.....  **Note**

- When playing back a movie, access time will vary depending on the length and record mode of the movie. The card access lamp blinks while movie data is being accessed.

Playing back movies (MOVIE PLAY)

Movies can be displayed as indexes of 9 still frames. Indexes can be saved on the card as still pictures. Indexes are not stored in the same record mode as movies (see below).

Record mode when the movie is shot	Record mode when stored as an index
HQ	SQ2 (1024x768)
SQ	SQ2 (640x480)

5 (For steps 1 to 4, see page 84.)

Press .

- The INDEX screen appears.
- The card access lamp blinks while the movie is being accessed.

6 Press to select OK or CANCEL

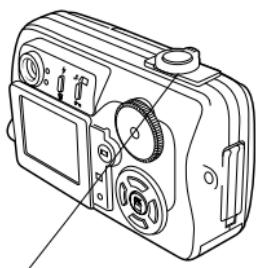
OK : Saves the index on the card .

CANCEL : Cancels the index.



7 Press to run the selected movie.

- When CANCEL is selected, the MOVIE PLAY screen appears. To exit, press .





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Editing still pictures

Allows you to edit still pictures and save them as new ones.

BLACK&WHITE: Creates black and white pictures.

SEPIA : Creates sepia-toned pictures.

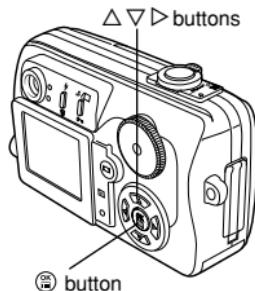
 : Changes picture dimensions to 640 x 480 or 320 x 240 and saves the picture as a new file. Use this function to make the image file size smaller needed for instances such as attaching the picture to e-mail.

Creating black & white or sepia-toned pictures

1 Display the still picture you want to edit.

2 In the top menu, select MODE MENU → EDIT → select BLACK & WHITE or SEPIA.

3 Press ▶.



4 Press △ ▽ to select BLACK & WHITE or SEPIA.

BLACK & WHITE or SEPIA:

Converts pictures to black & white or sepia and saves them as new files on the card.

CANCEL:

Cancels the conversion. To edit other pictures instead, select this item.



When BLACK & WHITE is selected

5 Press  to edit.

- A bar is displayed to show editing progress and the screen returns to normal display

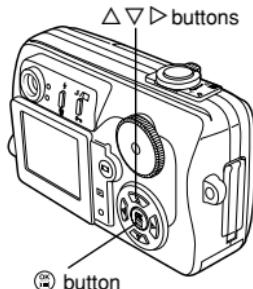
Resizing pictures

1 Display the still picture you want to edit.

2 In the top menu, select MODE MENU → EDIT → .

3 Press .

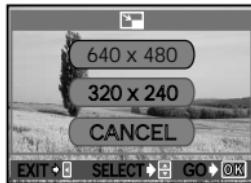
- The  screen appears.



4 Press   to select the file size.

640 x 480/320 x 240: Makes smaller-sized files of pictures and saves the new files on a card.

CANCEL: Cancels resizing pictures. To edit other pictures instead, select this item.



5 Press  to edit.

- A bar is displayed to show editing progress and the screen returns to normal display.

Note

• In the following cases, EDIT is not available:

- The card does not have enough memory
- Movie mode
- Pictures recorded in TIFF
- Pictures processed on a computer

- 1** Make sure that the TV and camera power are off .
- 2** Connect the camera's VIDEO OUT jack to the TV using the video cable.

- 3** Press  to turn on the camera. Turn on the TV. Set the TV to the video input mode.
 - For details on switching to video input, refer to your TV's instruction manual.
- 4** Select an image by using the arrow pad.
 - The selected image will be displayed on the TV.

All reset (Saving the camera's settings)

This function lets you choose whether or not the camera saves its current settings.

OFF: The settings made just before the power is turned off are saved.

ON : If the power is turned off or the mode dial is turned, all settings will be returned to the factory default settings.

The ALL RESET setting (ON/OFF) applies to all the modes. The settings affected by All Reset are listed below.

Available modes



OK

Items that All Reset affects

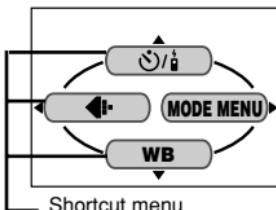
Setting	Factory default setting	Ref. page
P/A/S/M	P	P. 33
FNo	F2.8	P. 41, 43
SHUTTER	1/500	P. 42, 43
	±0	P. 76
ZOOM	38mm	P. 46
FLASH MODE ^{*1}	AUTO ^{*2}	P. 48
*1	OFF	P. 54, 55
	OFF	P. 56, 57
DRIVE		P. 59
ISO	AUTO	P. 74
	±0	P. 53
DIGITAL ZOOM ^{*1}	OFF	P. 46
(for still pictures)	HQ	P. 70
WB	AUTO	P. 77
SHARPNESS	NORMAL	P. 78
CONTRAST	NORMAL	P. 78

*1 Even when ALL RESET is set to OFF, settings may not be saved, depending on the shooting mode.

*2 The factory default setting varies depending on the shooting mode.

Shortcut

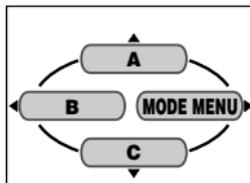
Functions on the top menu other than MODE MENU can be replaced with those listed in the table below. This is useful when you want to quickly go to frequently-used functions.



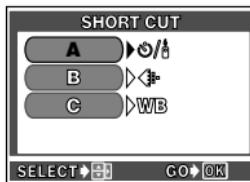
Available menu functions	Settings	Ref. page
⌚	⌚, ⚡	P. 56, 57
DRIVE	□, □, AF□, BKT	P. 59
ISO	AUTO, 80, 160, 320	P. 74
P/A/S/M	P, A, S, M	P. 33
±	−2 – ±0 – +2	P. 53
BKT	±0.3/±0.7/±1.0, x3/x5	P. 60
DIGITAL ZOOM	OFF, ON	P. 46
PANORAMA	–	P. 66
2 IN 1	–	P. 68
◀ (for still pictures)	TIFF, SHQ, HQ, SQ1, SQ2	P. 70
WB	AUTO, ☼, ☁, ☽, ☾	P. 77
SHARPNESS	HARD, NORMAL, SOFT	P. 78
CONTRAST	HARD, NORMAL, LOW	P. 78

Setting the Shortcut Menu

Assign settings to the A, B and C positions on the top menu.

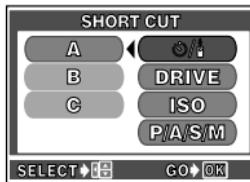


1 In the top menu, select MODE MENU → SETUP → SHORT CUT. Press \triangleright .
 • The SHORT CUT screen appears.



2 Select A, then press \triangleright to display the available menu functions.

3 Select the function you want by pressing $\triangle\triangledown$, then press REC to save your setting.
 • Repeat steps 2 and 3 to set B and C.



Shortcut

Using the Shortcut Menu

Available modes



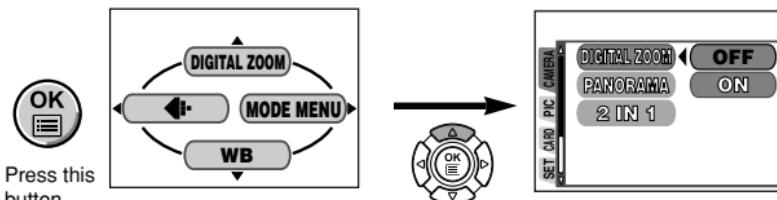
1 Press to display the top menu.

- The shortcut menu you have set is shown on the top menu.

2 Press the arrow pad according to the mark shown next to each function.

- The monitor jumps directly to the setting screen of that function.

Example: When DIGITAL ZOOM is set to the A shortcut.



Pressing  takes you directly to the DIGITAL ZOOM setting screen.

Factory default setting: A:     B:   C: WB

Information display

Lets you select the amount of shooting information displayed in the shooting or playback mode. Shooting information is displayed for approximately 3 seconds, then the monitor returns to the regular display. For details on each piece of information displayed, see page 10.



P A/S/M My :

In the top menu, select MODE MENU → SETUP → INFO → ON or OFF.

Press . Press again to cancel the menu.

:

Press to display the top menu. Press to turn INFO on.

- To turn INFO off in the playback mode, press again to bring up the top menu and press .

When INFO is OFF

When INFO is ON

HQ073
97

Formatting cards

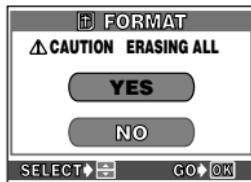


This function lets you format a card. Formatting prepares cards to receive data. Olympus CAMEDIA-brand cards are highly recommended for use with this camera. If you are going to use non-OLYMPUS cards or cards formatted by other devices such as a computer, you must format them with the camera before use.

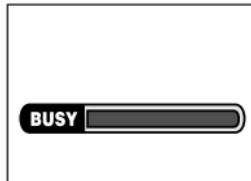


1 **AUTO** : In the top menu, select CARD SETUP.
 **P/A/S/M** : In the top menu, select MODE MENU → CARD → CARD SETUP. Press **▷**.
▷ : In the top menu, select MODE MENU → CARD → CARD SETUP. Press **▷**. Press **▽** to select FORMAT. Press **OK**.

2 Press Δ to select YES.
• To cancel formatting, select NO and press .



3 Press  to start formatting.
• A bar is displayed to show the progress of formatting.



! Note

- All existing data stored on the card is erased when the card is formatted. Make sure that you save or transfer important data to a computer before formatting a used card.
- Recording time may be longer with non-OLYMPUS cards and computer-formatted cards. In such cases, re-formatting with the camera is recommended.

Monitor brightness adjustment



Adjusts the monitor brightness.

Available modes



- 1 In the top menu, select MODE MENU → SETUP → , then press ▶.
- 2 To brighten the monitor, press △. To darken it, press ▽. To complete the setting, press . Press again to cancel the menu.



Factory default setting: ±0

Turning off the beep sound



You can turn off the beep used for button operations or warnings.

Available modes



In the top menu, select MODE MENU → SETUP → → ON or OFF. Press . Press again to cancel the menu.

Factory default setting: ON

Rec View

You can choose if the image being recorded is displayed on the monitor during shooting.

■ ON

The image being recorded is displayed. This is useful for a brief check of images you have just taken. Pressing the shutter button halfway at any time displays the image the camera is currently aimed at.

■ OFF

The image being recorded is not displayed. This is useful when you want to prepare your next shot while the previous image is being recorded.



In the top menu, select MODE MENU → SETUP → REC VIEW → ON or OFF. Press . Press again to cancel the menu.

Factory default setting: ON

Sleep timer

The camera automatically enters the sleep mode if the time you have set has passed with no operations being performed. To leave the sleep mode, operate any button (press the shutter button or arrow pad, etc.).



In the top menu, select MODE MENU → SETUP → SLEEP, then select a setting from the following: 30SEC, 1MIN, 3MIN, 5MIN or 10MIN. Press . Press again to cancel the menu.

Factory default setting: 3 MIN

Note

- The sleep timer does not work when using an AC adapter.
- The camera always turns off if the camera is left in playback mode for about 3 minutes.

Video output selection

You can select NTSC or PAL according to your TV's video signal type. Select the video signal type of your area before shooting. If you use the wrong video signal type, you may not be able to play back the recorded images properly on your TV.



In the top menu, select MODE MENU → SETUP → VIDEO OUT → NTSC or PAL. Press . Press again to cancel the menu.

- The factory default setting varies depending on the region where you purchased this camera.

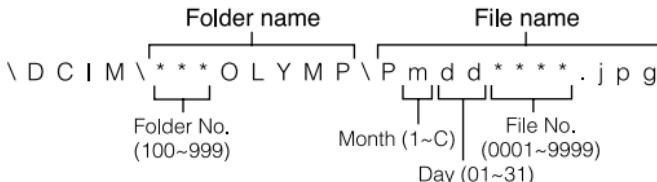
TV video signal types & main regions

NTSC : Japan, Korea, North America, Taiwan

PAL : China, European countries

File name

The camera automatically creates file names and folder names for images. Examples are shown below.



- Month: Jan. - Sep. = 1 - 9, Oct. = A, Nov. = B, Dec. = C

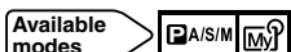
There are two choices here: RESET or AUTO. Choose the one that is best for you when transferring images to a computer.

■ RESET

When RESET is selected, the file number and folder number are reset every time a new card is inserted in the camera. The folder number returns to No. 100, and the file number returns to No. 0001. This is useful when grouping files on separate cards.

■ AUTO

When AUTO is selected, the same folder number is retained, but the file number continues from the previous card, so that the same file number is not used on different cards. This helps you to manage multiple cards. This is useful when a group of files stretches over more than one card.



In the top menu, select MODE MENU → SETUP → FILE NAME → RESET or AUTO. Press . Press again to cancel the menu.

Factory default setting: RESET

● Note

- After the file number reaches 9999, it returns to 0001, and the folder number also changes (for example, from No. 100 to No. 101).
- When both the folder and file numbers reach their maximum (999/9999), you cannot store any more pictures, even if the card is not full yet. Reset the file numbers before use.

Pixel Mapping

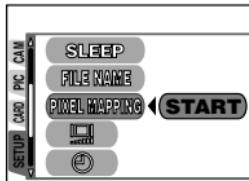
The Pixel Mapping feature allows the camera to check and adjust the CCD and image processing circuit automatically. It is not necessary to operate this function frequently.

It is recommended that you run Pixel Mapping once a year. Wait a few minutes after the monitor is used or continuous shots are taken to allow for proper performance of the Pixel Mapping function.

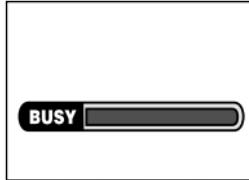
Available modes



1 In the top menu, select MODE MENU → SETUP → PIXEL MAPPING. Press ▶.
• START appears.



2 Press .
• A progress bar appears during Pixel Mapping.
• Press again to cancel the menu.



Note

• If the power is turned off during Pixel Mapping, start again from step 1.

How to print pictures

When you want to print out pictures stored on a card, use one of the following options:

■ Printing at a photo lab that supports DPOF or printing on a DPOF compatible printer

Apply Print Reserve to your pictures. This allows you to add printing data (number of prints, date printed on pictures, etc.) to the pictures you have stored.

● What is DPOF?

DPOF is short for Digital Print Order Format. DPOF is a format used to record automatic print information from cameras. By specifying which images are to be printed, the images can be printed easily by DPOF-compatible printing service labs or a personal DPOF-compatible printer.

■ Printing on an Olympus CAMEDIA P-400 or other DPOF digital printer:

If you use an optional PC card adapter, printing is possible without using a computer. For more details, refer to the printer instructions.

■ Transferring pictures to a computer and printing them from a printer connected to the computer:

If your computer has software applications installed that support JPEG images (Internet browsers, Paint software, etc.), you can print out your pictures on a printer connected to the computer. CAMEDIA Master software also enables printing. Print Reserve is not available.

Refer to the application software instructions for details.

**TIPS****• Picture size and printing**

The resolution of a computer/printer is generally based on the number of dots (pixels) per square inch. This is called "dpi" (dots per inch). The higher the dpi value, the higher the resolution, and the better the printed results. Keep in mind, however, that the dpi of the picture you want to print does not change to match the printer resolution. This means that when you print an image with a lower resolution than the printer, the size of the printed picture will be smaller. Although you can print magnified images, picture quality will decrease. If you want to be able large, high-quality pictures, set the picture size in the camera as high as possible (higher record mode) (P. 70).

Note

- DPOF reservations set by another device cannot be changed by this camera. Make changes using the original device.
- If a card contains DPOF reservations set by another device, entering reservations using this camera may overwrite the previous reservations.
- Even if an image appears with the message "PICTURE ERROR", Print reserve may be performed on it. In such a case, the print reserve icon (□) does not appear where an image is displayed for full view. Since □ appears where multiple images are displayed (index-display mode), it is possible to confirm the print reserve status.
- Not all functions may be available on all printers or at all photo labs.
- Some TIFF images may not be printed.
- Print reserve may take considerable time in some cases.

Applying print reserve to a card

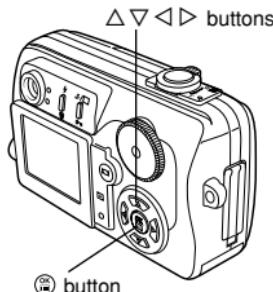
1 Play back a still picture.

- You cannot enter  (print reserve) on pictures with .

2 Select PRINT ORDER in the top menu.

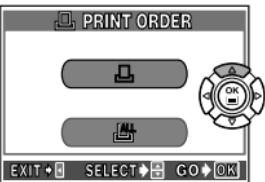
- If print reserve data is not stored on the card, the PRINT ORDER SETTING screen does not appear. Go to step 4.
- If print reserve data is already stored on the card, the PRINT ORDER SETTING screen appears. You can then reset the data or keep it. If RESET is selected, all print reserve data is canceled.

3 Press $\triangle \nabla$ to select RESET or KEEP. Press .



4 Press $\triangle \nabla$ to select or . Press .

-  : Sets single-frame print, the number of prints and date/time.
→ Go to step 5.
-  : Sets all-frame print and the date/time. → Go to step 8.
-  makes one print for each frame.



5 Press $\leftarrow \rightarrow$ to select a frame you want to print.

- If print reserve has already been applied, the number of prints currently set is displayed.



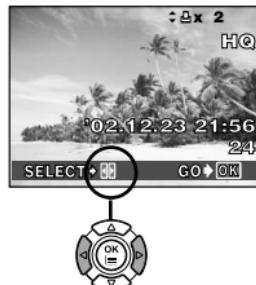
Applying print reserve to a card

6 Press $\triangle \nabla$ to set $\blacksquare \times$ (number of prints).
• Up to 10 can be set. 0 cancels print reserve.

Increases the number.



Decreases the number.



To apply print reserve for other frames, press $\triangle \nabla$.

7 When setting is complete, press OK .
• The OK screen appears.

8 Press $\triangle \nabla$ to select NO, DATE or TIME and press OK .

NO : Prints the frame without date/time.

DATE : Prints the frame together with the shooting date.

TIME : Prints the frame together with the shooting time.



9 Check the number of print reserve frames, the total number of prints, and date/time printing data. Press $\triangle \nabla$ to select **SAVE** and press OK .

• **CANCEL** clears all print reserve data.



10 Press $\triangle \nabla$ to finish print reserve.

Troubleshooting

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
The camera or monitor does not turn on.		
① The battery is exhausted. ② The power is off. ③ Since the battery is too cold, it is temporarily unable to function.	① Replace the battery with a charged one. ② Open the lens barrier to turn on the camera. ③ Warm the battery before use by allowing it to return to room temperature, or if outdoors, putting it in an inner jacket pocket.	P. 17 P. 20 —
④ It is connected to a personal computer. ⑤ The camera has turned off automatically.	④ The camera cannot operate while it is connected to a personal computer. ⑤ The camera is in the sleep mode. Operate the camera (press the shutter button, turn the mode dial, etc.)	— P. 101
The green lamp and orange lamp blink at the same time.		
① The battery is exhausted.	① Replace the battery with a charged one.	P. 17

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
No picture is taken when the shutter button is pressed.		
① The lens barrier is closed.	① Open the lens barrier.	P. 20
② The memory gauge is full.	② Wait until there is room in the memory gauge.	P. 13
③ The flash has not finished charging.	③ Remove your finger from the shutter button and wait until the orange lamp stops blinking. Take your shot again.	P. 50
④ The orange lamp blinks after you take a picture.	④ The flash is charging. Shoot again when the orange lamp stops blinking.	P. 35
⑤ The card is full.	⑤ Insert a new card or erase unwanted pictures. Before erasing, download important images to a computer. If the green lamp is blinking, wait until it stops.	P. 17, 88
⑥ The battery has run out of power.	⑥ Replace the battery with a charged one.	P. 17
⑦ The monitor indications disappear, or the battery check appears.	⑦ Replace the battery with a charged one. (Do not open the battery/card compartment cover when the card access lamp is blinking.)	P. 17

Troubleshooting

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
The date recorded with the image data is wrong.		
① The date and time are not set. ② The camera has been left for too long with the battery removed.	① Set the date and time. The clock adjustment is not factory-preset. ② Set the date and time again.	P. 22 P. 22
The settings you made have returned to the factory default settings.		
① You turned off the power without saving the settings.	① Set ALL RESET to OFF.	P. 93
The flash does not fire.		
① The flash is set to the off mode  . ② The subject is bright enough to shoot without a flash. ③ Sequential shooting is on. ④ You are recording movies. ⑤ Panorama shooting is set.	① Press  to select a flash mode other than  . ② Set the flash to Fill-In mode. ③ Set the drive mode to  (single-frame shooting). ④ Set the mode dial to a mode other than  . ⑤ Cancel the Panorama shooting.	P. 50 P. 50 P. 59 P. 31 P. 66

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
Pictures do not appear on the monitor.		
<p>① The camera is in the shooting mode.</p> <p>② There is no picture on the card.</p> <p>③ The camera is connected to a TV.</p>	<p>① Close the lens barrier and press the  button.</p> <p>② NO PICTURE appears on the monitor. Take pictures, then play back the recorded images.</p> <p>③ The monitor does not function when the camera is connected to a TV.</p>	P. 20 P. 38 P. 92
The monitor is not clear.		
<p>① The monitor brightness is not adjusted properly.</p> <p>② The monitor is exposed to direct sunlight.</p>	<p>① Adjust the monitor brightness.</p> <p>② Block the sunlight with your hand or move out of the sunlight.</p>	P. 99 —
The subject's eyes appear red in pictures recorded with the flash.		
<p>① The flash is in the auto-flash mode.</p>	<p>① This "red-eye phenomenon" occurs with all cameras when a flash is used. It is caused by light from the flash reflecting off the retina at the back of the eye. Red-eye varies depending on the individual and the shooting conditions such as ambient lighting. Setting to red-eye reduction significantly reduces this phenomenon.</p>	P. 48

Troubleshooting

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
The picture is out of focus.		
① The camera moved when the shutter button was pressed. ② The AF target mark was not on the subject. ③ The lens is dirty. ④ The shutter button was pressed while standing in front of the camera in the self-timer mode.	① Hold the camera correctly, and press the shutter button, slowly and gently. ② Position the AF target mark on the subject, or use the focus lock. ③ Clean the lens with a soft dry cloth. ④ Press the shutter button while looking into the viewfinder, not while standing in front of the camera.	P. 34 P. 37 P. 115 P. 56
The picture is too bright.		
① The exposure compensation is adjusted towards +. ② The subject was excessively illuminated.	① Set the exposure compensation to 0. ② Adjust the exposure compensation or change the camera position toward the subject.	P. 76 P. 76
The picture is too dark.		
① The flash was blocked by a finger. ② The subject was out of the working range of the flash. ③ The flash was set to the Off mode. ④ The subject was too small and was backlit.	① Hold the camera correctly, keeping your fingers away from the flash. ② Shoot within the flash working range. ③ Press  to select a flash other than  . ④ Adjust the flash intensity towards +, or use the spot metering mode.	P. 34 P. 50 P. 50 P. 53, 54

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
The picture is too dark.		
⑤ The sequential mode was used.	④ Higher shutter speeds are used when the sequential mode is selected which may result in pictures that are darker than usual.	P. 59
The colors of pictures taken indoors look unnatural.		
① Indoor lighting can affect the picture's colors. ② There is no white in the subject. ③ The white balance setting is wrong.	① Set the white balance according to the lighting. ② Try to include something white in the picture or shoot using the Fill-in flash. ③ Adjust the white balance to the light source.	P. 77 P. 50 P. 77
The picture has obscured edge(s).		
① The lens was partly blocked by a finger or the strap.	① Hold the camera correctly, keeping your fingers and the strap away from the lens.	P. 34
Halation produces unnatural colors in the picture.		
① Excessively bright ultraviolet light on the subject, such as sunlight shining through the leaves of trees, window frames in bright light at night, reflection of metals under direct sunlight, etc.	① Process the pictures using a graphics application that supports JPEG (Paint Shop Pro, Photoshop, etc.). For example, after picking up unnatural colors with a syringe tool, etc., you can select color areas, and try color conversion or saturation adjustment. For details, refer to the manual of the graphics application you are using.	-

Troubleshooting

POSSIBLE CAUSES	CORRECTIVE ACTION	REF. PAGE
No picture displayed on TV when connecting to the camera.		
① The video output signal is incorrect.	① Set the video output signal correctly according to your region.	P. 101
② The camera is not in the playback mode.	② Close the lens barrier and press the  button.	P. 20
③ Your TV's video signal is incorrect.	③ Set the TV to the video input mode.	P. 92

User maintenance

When not using the camera, be sure to close the lens barrier to turn off the camera. Also, turn off the monitor.

1 Turn off the camera (P. 20).

2 Remove the battery (P. 17).

- When using an AC adapter, unplug the AC adapter from the camera and the AC outlet.

3 Exterior:

Wipe gently with a soft cloth. To wipe off heavy dirt, soak the cloth in diluted mild soap and wring it well. Wipe off the camera with the damp cloth and then dry it with a dry cloth. If you have used your camera at the beach, use a cloth dampened with fresh water.

Monitor and viewfinder:

Wipe gently with a soft cloth.

Lens:

Blow dust off the lens with a blower brush (commercially available), then wipe gently with lens cleaning paper.

Card:

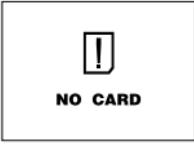
Wipe gently with a soft cloth.

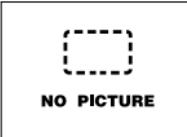
● Note

- Do not use a strong solvent such as benzine or alcohol, or chemically treated cloth.
- Cleaning should be done only after the batteries have been removed or other power supply units have been disconnected.
- Mold may form on the lens surface if the lens is left dirty.

Error codes

If there is a problem with your camera, one of the error codes below will appear.

Indications	Possible causes	
 NO CARD	The card is not inserted, or it cannot be recognized.	
 CARD FULL	No more pictures can be taken.	
 CARD ERROR	Cannot record, play back or erase pictures on this card.	
	The recorded image cannot be played back with this camera.	
	The card is not formatted.	

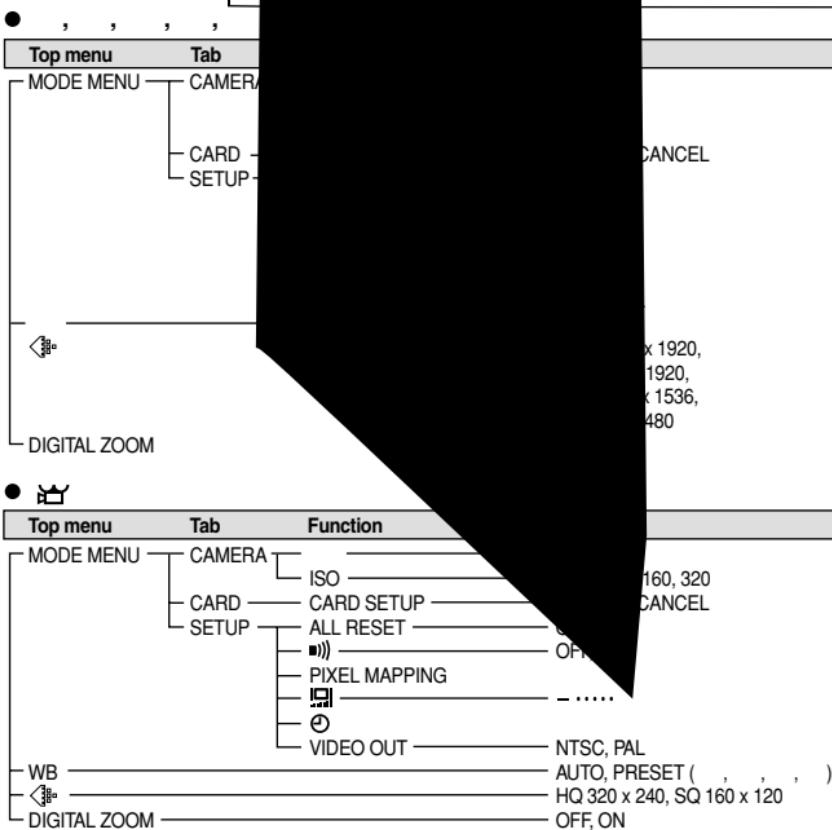
Indications	Possible causes	Corrective action
 NO PICTURE	<p>There are no pictures on the card, so there is nothing to play back.</p>	<p>Shoot, then play back recorded pictures, or insert a card that contains images.</p>
 CARD FULL	<p>There is no empty space on the card, so it cannot record new information such as print data.</p>	<p>Replace the card or erase unneeded pictures.</p>
 CARD-COVER OPEN	<p>The battery/card compartment cover is open.</p>	<p>Close the battery/card compartment cover.</p>

Menu maps

● P/A/S/M and modes

Top menu	Tab	Function	Setting
— MODE MENU	CAMERA	—	OFF, ,
	— DRIVE		, , , BKT
	— ISO		AUTO, 80, 160, 320
	— P/A/S/M		P, A, S, M
	—		-2.0 to +2.0
	— DIGITAL ZOOM		OFF, ON
	— PANORAMA		
	— 2 IN 1		
— PICTURE	—		TIFF, SHQ, HQ, SQ1, SQ2 (1600 x 1200, 1280 x 960, 1024 x 768, 640 x 480)
	— WB		AUTO, , , ,
	— SHARPNESS		SOFT, NORMAL, HARD
	— CONTRAST		LOW, NORMAL, HIGH
— CARD	— CARD SETUP		FORMAT, CANCEL
— SETUP	— ALL RESET		OFF, ON
	— INFO		OFF, ON
	—		OFF, ON
	— REC VIEW		OFF, ON
	— MY MODE SETUP		CURRENT (SET, CANCEL), RESET (ALL RESET, CANCEL), CUSTOM*
	— SLEEP		30SEC, 1MIN, 3MIN, 5MIN, 10MIN
	— FILE NAME		RESET, AUTO
	— PIXEL MAPPING		
	—		—♦..... +
	—		
	— SHORT CUT		A/B/C, all items included in CAMERA and PICTURE tabs.
	— VIDEO OUT		NTSC, PAL
—			OFF, ,
—			Same settings as above.
— WB			AUTO, PRESET (, , ,)

* For CUSTOM settings, refer to "Available items and factory default settings" on P. 65.



Menu maps

●  mode

Top menu	Tab	Function	Setting
MODE MENU	PLAY ^{*1}		0°, +90°, -90°
	EDIT ^{*1}	BLACK & WHITE	BLACK & WHITE, CANCEL
		SEPIA	SEPIA, CANCEL
	CARD		640 x 480, 320 x 240, CANCEL
	SETUP	CARD SETUP	ALL ERASE, FORMAT
		ALL RESET	OFF, ON
			OFF, ON
		↑.....+
			
			4, 9, 16
		VIDEO OUT	NTSC, PAL
MOVIE PLAY ^{*2}	MOVIE PLAYBACK		PLAYBACK, FRAME BY FRAME, EXIT
		INDEX	OK, CANCEL
INFO			OFF, ON

*1 Not displayed during movie playback.

*2 Not displayed during still picture playback.

Menu functions & factory default settings

Mode	AUTO	SCENE	P/A/S/M	MY	PICTURE	PLAY
Function						
REC			OFF			—
DRIVE	—				—	
ISO	—		P : AUTO A/S/M: 80		AUTO	—
P/A/S/M	—		P		—	
	—		±0		—	
DIGITAL ZOOM	—		OFF			—
			HQ			—
WB	—		AUTO			—
SHARPNESS	—		NORMAL			—
CONTRAST	—		NORMAL			—
ALL RESET	—	ON	P/A/S/M : ON : —		ON	
INFO	—		OFF		—	OFF
	—		ON			
REC VIEW	—		ON			—
MY MODE SETUP	—		CURRENT			—
SLEEP	—		3MIN			—
FILE NAME	—		RESET			—
	—		±0			
			Y M D 2002.01.01 00:00			
SHORT CUT		—	A: B: C: WB			—
VIDEO OUT	—		NTSC			9
			—			

- When “—” appears in a mode column, it means that the corresponding function is not available in that mode or cannot be set in that mode. Some function settings are automatically determined by the settings selected in other modes.

Modes & Shooting functions

Mode Function	AUTO	◀ ▶ ▲ ▼ ⌂ ⌃	P/A/S/M * M * 	
Taking still pictures	✓	✓	✓	—
Recording movies	—	—	—	✓
P/A/S/M mode setting	—	—	✓	—
Aperture value setting	—	—	✓	—
Aperture priority shooting	—	—	✓	—
Shutter speed setting	—	—	✓	—
Shutter priority shooting	—	—	✓	—
Manual shooting	—	—	✓	—
“My Mode” setting	—	—	✓	—
“My Mode” shooting	—	—	Available only in M .	—
Zoom	✓	Not available in  .	✓	—
Digital zoom	—	Not available in  .	✓	✓
Auto focus	✓	✓	✓	✓
Focus lock	✓	✓	✓	✓
Flash	Auto	✓	Not available in  .	✓
	Red-eye Reduction	—	Not available in  .	✓
	Fill-in	—	Available only in  .	✓
	Slow synchronization	—	Available only in  .	✓
	Slow synchronization with red-eye reduction	—	Available only in  .	✓

✓ : Available, — : Not available

* Depending on the P/A/S/M mode setting, some functions are not available. For details, refer to the individual function page.

Mode Function	AUTO	◀ ▶ ▲ ▼ ⌂ ⌃	P A/S/M * MY * 	
Flash intensity control	—	—	✓	—
Spot metering	✓	—	✓	✓
Macro shooting	✓	—	✓	✓
Self-timer shooting	✓	✓	✓	✓
Remote control shooting	✓	✓	✓	✓
Sequential shooting	—	✓	✓	—
AF sequential shooting	—	—	✓	—
Auto-bracketing	—	—	✓	—
Panorama shooting	—	✓	✓	—
Two-in-one shooting	—	✓	✓	—
Record mode setting	✓	✓	✓	✓
ISO setting	—	—	✓	✓
Exposure compensation	—	✓	✓	✓
Auto white balance	✓	✓	✓	✓
Preset white balance ☀, ☁, ☀, ☁	—	—	✓	✓
Sharpness setting	—	—	✓	—
Contrast setting	—	—	✓	—
Shortcut setting	—	—	✓	—

✓ : Available, — : Not available

* Depending on the P/A/S/M mode setting, some functions are not available. For details, refer to the individual function page.

Modes & Shooting functions

Mode Function	AUTO	◀ ▶ ▲ ▼ ⌂ ⌃ ⌄	P/A/S/M * MY *	⌁
All reset	—	✓	Not available in MY .	✓
Information display	—	—	✓	—
Beep	—	✓	✓	✓
Rec view	—	—	✓	—
Monitor brightness adjustment	—	✓	✓	✓
Sleep timer	—	—	✓	—
File name	—	—	✓	—
Pixel mapping	—	✓	✓	✓
Video output selection	—	✓	✓	✓

✓ : Available, — : Not available

* Depending on the P/A/S/M mode setting, some functions are not available. For details, refer to the individual function page.

Specifications

Product type	Digital camera (for shooting and displaying)
Recording system Still	Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF)), TIFF (non-compression), Exif 2.2, Digital Print Order Format (DPOF)
	QuickTime Motion JPEG support
Memory	xD-Picture Card, 16 MB – 128 MB
No. of storable pictures (When a 32 MB card is used)	Approx. 2 frames (TIFF: 2560x1920) Approx. 13 frames (SHQ: 2560x1920) Approx. 26 frames (HQ: 2560x1920) Approx. 30 frames (SQ1: 2048x1536) Approx. 199 frames (SQ2: 640x480)
No. of effective pixels	5,000,000 pixels
Image pickup device	1/1.76" CCD solid-state image pickup 5,360,000 (gross)
Recording image resolutions	2560 x 1920 pixels (TIFF/SHQ/HQ) 2048 x 1536 pixels (SQ1) 1600 x 1200 pixels (SQ2) 1280 x 960 pixels (SQ2) 1024 x 768 pixels (SQ2) 640 x 480 pixels (SQ2)
Lens	Olympus lens 7.8 mm to 23.4 mm, f2.8 to f4.8, 7 elements in 6 groups (equivalent to 38 mm to 114 mm lens on 35 mm camera)
Photometric system	Digital ESP metering, Spot metering system
Aperture	W : f2.8 to f8.0 T : f4.8 to f8.0
Shutter speed Still	Used with mechanical shutter 1/2 to 1/1000 sec. (M mode: 8 to 1/1000 sec.; during night scene shooting or when slow synchronization is used: 4 to 1/1000 sec.)
Movie	1/30 to 1/8000 sec.
Viewfinder	Optical real image viewfinder
Monitor	1.5" TFT color LCD display Approx. 134,000 pixels

Specifications

Battery charging time for flash	Approx. 5 sec. (at normal temperature with a charged battery)
Autofocus	TTL system autofocus, Contrast detection system, Focusing range: 0.5 m to ∞ (1.6 ft to ∞) (normal shooting) 0.2 m (W)/0.3 m (T) to 0.5 m (0.7 ft (W)/1.0 ft (T) to 1.6 ft) (macro shooting)
Outer connector	DC-IN jack, USB connector (mini-B), VIDEO OUT jack
Automatic calendar system	Up to 2099
Operating environment	
Temperature	0°C to 40°C (32°F to 104°F) (operation) -20°C to 60°C (-4°F to 140°F) (storage)
Humidity	30% to 90% (operation) 10% to 90% (storage)
Power supply	Only an Olympus LI-10B lithium-ion battery AC adapter specified by Olympus (optional)
Dimensions (W) X (H) X (D)	99.5 mm x 58.5 mm x 41.5 mm (3.9" x 2.3" x 1.6") (excluding protrusions)
Weight	194 g (0.4 lb) (without battery/card)

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ANY NOTICE OR OBLIGATION ON THE PART OF THE MANUFACTURER.

Glossary of terms

A (Aperture Priority) Mode

You set the aperture yourself and the camera automatically varies the shutter speed so that the picture is taken with the best exposure.

AE (Automatic Exposure)

The camera's built-in exposure meter automatically sets the exposure. The 3 AE modes available on this camera are P mode, in which the camera selects both the aperture and shutter speed, A mode, in which the user selects the aperture and the camera sets the shutter speed, and S mode, in which the user selects the shutter speed and the camera sets the aperture. In M mode, the user selects both the aperture and the shutter speed.

Aperture

The adjustable lens opening which controls the amount of light that enters the camera. The larger the aperture, the shorter the depth of field and the fuzzier the background. The smaller the aperture, the greater the depth of field and the sharper the background. Aperture is measured in f/stops. Larger aperture values indicate smaller apertures, and smaller aperture values indicate larger apertures.

Backlight

A light source to illuminate the monitor from behind the screen.

CCD (Charge-coupled Device)

This converts light passing through the lens into electrical signals. On this camera, light is picked up at 5.36 million points and converted into RGB signals to build a single image.

Contrast Detection Method

This is used to measure the distance to the subject. The camera determines if the image is focused by the level of contrast in the subject.

Conventional Photograph

This refers to recording images using silver halide (the method for recording images in conventional, non-digital photography.) This system is in contrast to still video and digital photography.

DCF (Design rule for Camera File system)

A standard for image files by the Japan Electronics and Information Technology Industries Association (JEITA).

Digital ESP (Electro-Selective Pattern) light metering

This determines the exposure by metering and calculating the light levels in the center and other areas of the image separately.

Glossary of terms

DPOF (Digital Print Order Format)

This is for saving desired print settings on digital cameras. By entering which images to print and the number of copies of each, the user can automatically have the desired images printed by a printer or print lab that supports the DPOF format.

Effective Pixel Resolution

The number of pixels used in the CCD to create the image.

EV (Exposure Value)

A system for measuring exposure. EV0 is when the aperture is at f1 and the shutter speed is 1 second. The EV then increases by 1 each time the aperture increases by one F stop or the shutter speed increases by one increment. EV can also be used to indicate brightness and ISO settings.

Exposure

The amount of light used to capture an image. The exposure is determined by the time the shutter is open (shutter speed) and the amount of light that passes through the lens (aperture).

Gross Pixel Resolution

The total number of pixels in a CCD. Not all pixels are used to create the image.

ISO

A method for indicating film speed by the International Organization for Standardization (ISO). Higher ISO values indicate greater sensitivity to light, so images can be exposed even in low-light conditions.

JPEG (Joint Photographic Experts Group)

A compression format for color still images. Photographs (images) shot using this camera are recorded onto the xD-Picture Card in JPEG format when the Record mode is set to SHQ, HQ or SQ. By downloading these images to a personal computer, users can edit them using graphics application software or view the images using an Internet web browser.

M (Manual) Mode

The user sets both the aperture and shutter speed.

NTSC/PAL (National Television Systems Committee/Phase Alternating Line)

Television formats. NTSC is mainly used in Japan, North America, Taiwan and Korea. PAL is mainly used in Europe and China.

P (Program) Mode

Also called Program AE mode. The camera automatically sets the best shutter speed and aperture for the shot.

Pixels

A pixel is the smallest unit (dot) used to make up an image. Clear large-sized printed images require millions of pixels.

S (Shutter Priority) Mode

Also called Shutter Priority AE mode. The user selects the shutter speed and the camera automatically varies the aperture so that the picture is taken with the best exposure.

TFT (Thin-Film Transistor) Color Monitor

A color Monitor constructed using thin-film technology.

TIFF (Tagged Image File Format)

An uncompressed format used for saving highly-detailed black & white or color image data. TIFF image files can be handled by software programs for digital cameras, scanners and graphics applications.

TTL (Through-The-Lens) System

To help adjust exposure, a light receptor built into the camera directly measures the light passing through the lens.

Index

A	
A (Aperture priority shooting)	33
AC adapter	19
AF sequential shooting	59
All reset	93
All-frame erase 	89
Aperture priority shooting	41
AUTO (Full-auto shooting)	31
Auto bracketing	60
Auto focus	35
Auto-flash	48
B	
Battery	16
Battery check	13
Beep	99
Black & White	90
C	
Charging	16
Close-up playback	81
Contrast	78
D	
Date/time settings	22
Daylight	77
Digital ESP metering	54
Digital zoom	46
DPOF	104
DRIVE	59
E	
Erasing pictures	88
Exposure compensation	76
Exposure variance	43
F	
File name	102
Fill-in flash	48
Flash	48, 50
Flash intensity control	53
Flash off	49
Fluorescent light	77
Focus lock	37
Focusing	35
Folder name	102
Format	98
Frame number	12
Full-auto shooting	31
H	
High quality mode	70
HQ	70
I	
INDEX	86
Index display	82
Information display	97
ISO	74
J	
JPEG	71
L	
Landscape+Portrait shooting	31
Landscape+Scene shooting	31
M	
M (Manual shooting)	33
Macro shooting 	55
Manual shooting	43
Memory gauge	13
Menu	24
Metering	54
Monitor brightness adjustment	99
Movie playback	84
Movie recording	32
My Mode	32
My Mode setting	63

N	
Night-Scene shooting	32
NTSC	101
Number of pixels	71
Number of storable still pictures	39
O	
Overcast	77
P	
P (Program shooting)	32
PAL	101
Panorama	66
Pixel Mapping	103
Playback mode	79
Playback on a TV	92
Portrait shooting	31
Print reserve	106
Program shooting	33
Protecting pictures	87
Q	
Quick View	79
R	
Rec View	100
Record mode	70
Red-eye reduction flash	48
Remote control	57
Resizing pictures	91
Rotation	83
S	
S (Shutter priority shooting)	33
Seconds remaining	44
Self Portrait shooting	32
Self-timer shooting	56
Sepia	90

Sequential shooting	59
Sharpness	78
Shooting modes	31
Shortcut menu	94
SHQ	70
Shutter button	35
Shutter priority shooting	42
Single-frame erase	88
Single-frame playback	79
Sleep	101
Slide-show	80
Slow synchronization	49
Sports shooting	32
Spot metering	54
SQ	70
Strap	15
T	
Telephoto shooting	46
TIFF	70
Top menu	24, 27
Tungsten light	77
Two-in-one picture	2 IN 1
	68
V	
Video output selection	101
W	
White balance	77
Wide-angle shooting	46
X	
xD-Picture Card	16
Z	
Zoom	46

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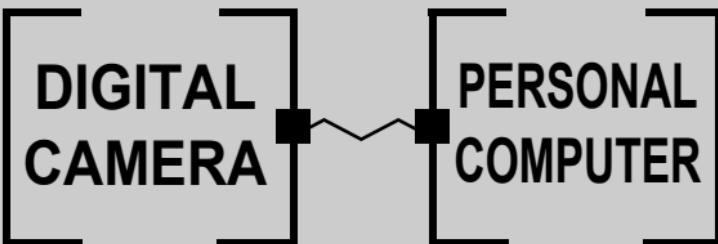
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OLYMPUS

CAMEDIA



DIGITAL CAMERA — PC CONNECTION
OPERATION MANUAL

How to use your PC to get the
most from images taken with
your digital camera.

- Thank you for purchasing an Olympus digital camera.
- This manual provides instructions on how to install the USB driver. To ensure correct installation, refer only to these installation procedures.

Introduction

This manual explains in detail how to connect your Olympus digital camera to a computer. Read it carefully and keep it in a safe place for future reference.

About this manual

- The information contained in this manual may be subject to change without notice. For the latest information on the product, please consult your local Olympus representative.
- The information contained in this manual has been compiled by taking all possible measures to ensure its accuracy. However, if you find any errors or incomplete information, please contact your local Olympus representative.
- It is prohibited by copyright laws to duplicate in part or in whole the information contained in this manual, except for personal use. Reproduction without permission of the copyright owner is prohibited.
- The PC screens shown in this manual may differ slightly from the actual displays on some PC models.

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- All other company and product names are registered trademarks and/or trademarks of their respective owners.

INDEX

Flowchart 4

Identifying the OS 6

Windows (98/Me/2000/XP) 8

Windows

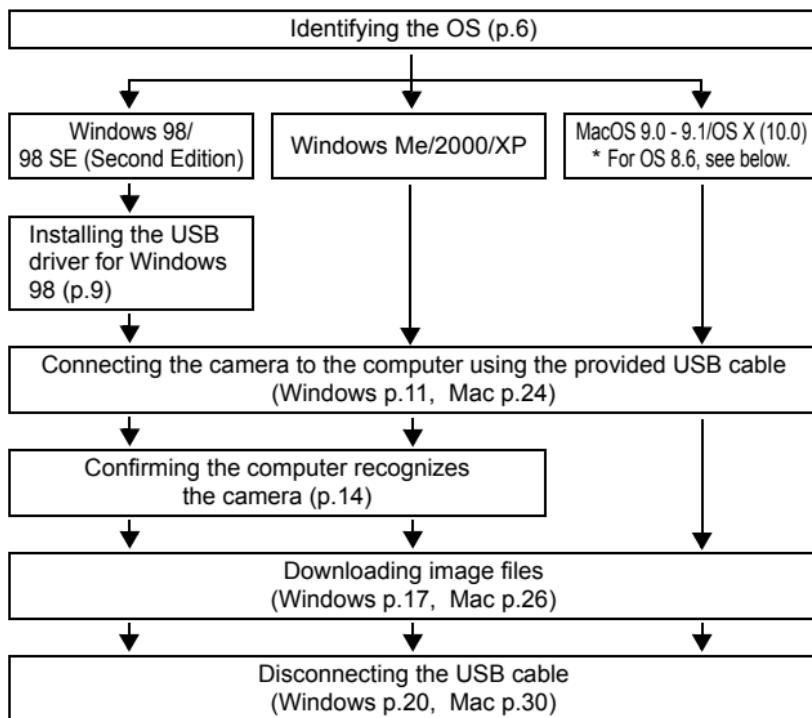
Macintosh (OS 9/X) 23

Macintosh

**Downloading image files using other OS
(For other OS users)** 31

Flowchart

By connecting the camera to a computer with the provided USB cable, images on a card can be transferred to the computer. Some OS's (operating systems) may need a special setup before connecting to the camera for the first time. Follow the chart below.



- * Even if your computer has a USB connector, data transfer may not function correctly if you are using one of the operating systems listed below or if you have an add-on USB connector (extension card, etc.).
- Windows 95/NT 4.0
- Windows 98/98 SE upgrade from Windows 95
- Mac OS 8.6 or lower (except Mac OS 8.6 equipped with USB MASS Storage Support 1.3.5 installed at the factory)
- Data transfer is not guaranteed on a home-built PC system or PCs with no factory installed OS.



Caution

- When connecting the camera to the computer, make sure that there is sufficient remaining battery power. When connected (transmitting) to the computer, the camera does not enter the sleep mode nor will the camera's power turn off automatically. Depending on the camera model, when the battery power runs out or the internal temperature rises, the camera may stop operating automatically. This could cause the computer to malfunction, and any image data (file) being transmitted may be lost. Be careful when downloading files for a long period of time. Use the AC adapter (optional) when downloading files.
- If you connect or disconnect the AC adapter when the camera is connected to the computer and is running on battery power, it may result in the loss of image data on the card or cause a malfunction in the computer. Before connecting or disconnecting the AC adapter, disconnect the camera from the computer and make sure that the camera is turned off.
- To avoid computer malfunctions, do not turn off the camera when the camera is connected to a computer.
- If the camera is connected to the computer via a USB hub, operation may not be stable if there are any compatibility problems between the computer and the hub. In such cases, do not use the hub and connect the camera directly to the computer.



Note

- You can view images using: graphics applications that support the JPEG file format (Paint Shop Pro, Photoshop, etc.); Internet browsers (Netscape Communicator, Microsoft Internet Explorer, etc.); CAMEDIA Master software; or other software. For details on using commercial graphics applications, refer to their instruction manuals.
- QuickTime is needed for playing back movies. QuickTime is included on the provided software CD.
- If you want to process images, make sure to download them to your computer first. Depending on the software, image files may be destroyed if the images are processed (rotated, etc.) while they are on the card.

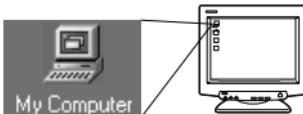
Identifying the OS

Identify the OS on your computer before connecting the camera. How to identify the OS depends on the computer.

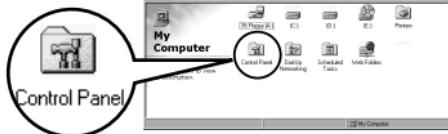
● Windows

1 Double-click the “My Computer” icon on your desktop.

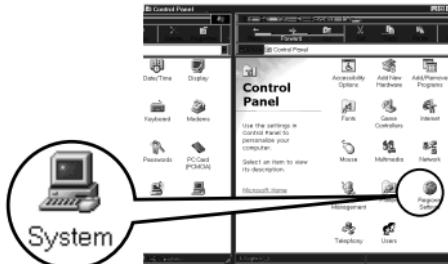
When the “My computer” icon is not on your desktop, click “Control Panel” from the “Start” menu.



2 Double-click the “Control Panel” icon.



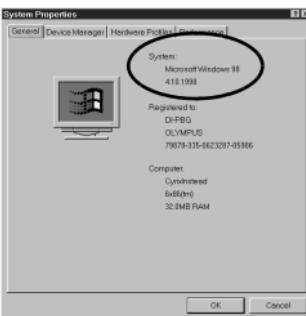
3 Double-click the “System” icon.



The way the file icons inside the folder appear may vary depending on your version of Windows. If you don't see the icon you are looking for, click on "view all Control Panel options" on the left of the window.

4 A System Properties window will appear. Note and record the “System:” information.

Confirm that your system is Windows 98, 98 SE, Me, 2000 Professional or Windows XP, then press “OK” to close the window.



If your OS is Windows 98/98 SE, proceed to “Installing the USB driver for Windows 98” (☞ p.9).

Users running Windows Me/2000/XP ☞ p.11

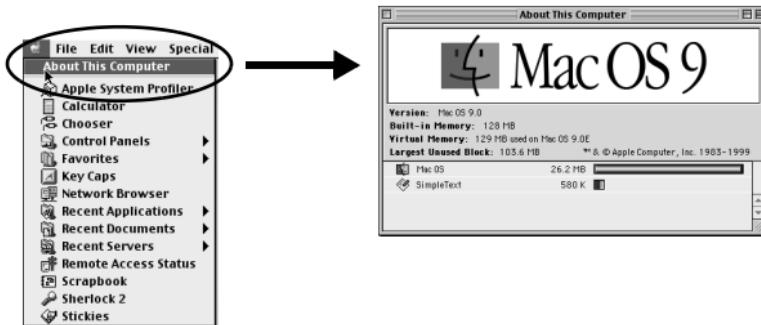
Users running other OS ☞ p.31

● Mac OS (Macintosh)

Select “About This Computer” from the Apple menu on the menu bar.

A window appears with the name of the computer's OS.

Confirm that the OS is OS 9.0-9.1 or OS X.



Users running Mac OS 9/X ☞ p.23

Users running other OS ☞ p.31

Using Windows 98/Me/2000/XP

Make sure that:

- Your computer is turned on and Windows is running.
- If you are running any applications, quit them all.
- You are recommended to power the camera using the optional AC adapter. If the battery power runs out while the computer is accessing the card in the camera, the camera will turn off in the middle of the operation and this could destroy image files (data). If you are using batteries, make sure that there is sufficient remaining battery power.

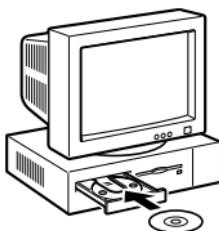
Installing the USB driver for Windows 98 (When using Windows 98/98 SE)	9
Connecting the camera to the computer	11
Confirming the computer recognizes the camera	14
Confirming the USB driver is installed	15
Downloading images to your computer.....	17
Disconnecting the camera from your computer	20

Installing the USB driver for Windows 98 (When using Windows 98/98 SE)

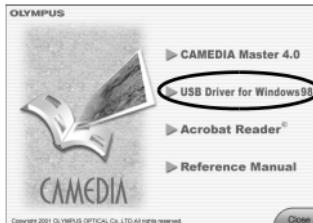
If your OS is Windows 98/98 SE, you must install the USB driver. Follow the instructions below to install the USB driver in your computer. Once it is fully installed, you do not need to repeat the procedure again.

If your OS is Windows Me/2000/XP, skip the procedure below as the USB driver will be automatically installed. Proceed to “Connecting the camera to the computer” (☞ p.11).

- 1 Insert the provided software CD into your CD-ROM drive.



- 2 The Olympus Windows Installer should automatically launch. Click “USB driver for Windows 98”.



If the installer is not automatically launched, select “Run..” on the “Start” menu and then execute “(drive letter):/ Information.exe”.

Note

The drive letter of the CD-ROM varies depending on the computer.
To identify the drive letter, double-click “My Computer” on the desktop.

3 Click “Continue”. The installation of the USB driver will start.



4 Click “OK” to restart your computer and the installation is complete.



5 When the computer has restarted, installation is complete. If the Olympus Windows Installer screen appears, click “Close” and remove the CD-ROM from the CD-ROM drive.

4 The computer recognizes the camera as a new device.

When you connect the camera to the computer for the first time, the computer automatically recognizes the camera. Click “OK” when the message saying that the installation is completed appears. The computer recognizes the camera as a “Removable Disk”.

● Windows XP

You can download image files from the camera easily.

Select “Copy pictures to folder on my computer using Microsoft Scanner and Camera Wizard”, then follow the on-screen instructions. You may also select “take no action” to bypass the Microsoft Scanner and Camera Wizard. You may then use a more advanced image viewing/editing program such as Olympus CAMEDIA Master software. For detailed instructions on downloading, refer to the CAMEDIA Master software user’s guide.



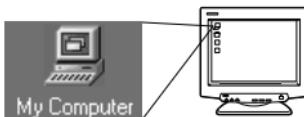
Caution

When the camera is connected to the computer, none of the camera buttons are functional.

Windows

Confirming the computer recognizes the camera

- 1 Double-click the “My Computer” icon on the desktop.
For users running Windows XP, click “My Computer” from the “Start” menu.



- 2 Make sure the “Removable Disk” icon appears in the window.

There may already be other “Removable Disk” icons for other devices, such as a removable media drive or USB SmartMedia Reader/Writer. In this case, the digital camera is recognized as another “Removable Disk”.

If you cannot find the icon, the camera and computer are not connected properly. Turn the camera off, disconnect the camera from the computer and connect again, or proceed to “Confirming the USB driver is installed” (☞ p.15) to make sure that the USB driver is fully installed.



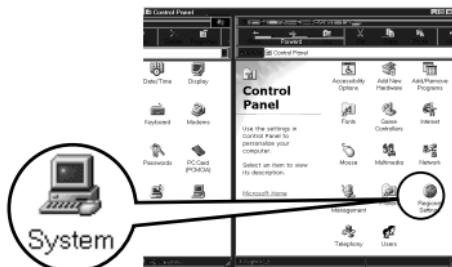
Confirming the USB driver is installed

If the computer does not recognize the camera as a Removable Disk, follow the procedure below to check whether the USB driver has been fully installed.

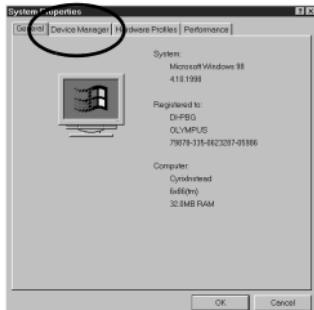
- 1 Open “My Computer” and double-click the “Control Panel” icon.
For users running Windows XP, open “Control Panel” from the “Start” menu.



- 2 Double-click the “System” icon.



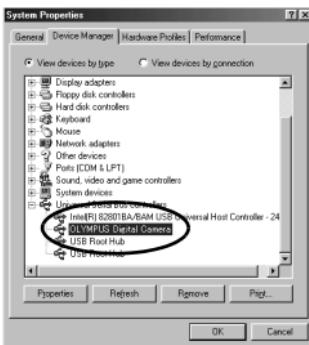
- 3 The System window will appear. Click the “Device Manager” tab.



4 Confirm that “OLYMPUS Digital Camera” is in the “Universal Serial Bus Controller” category.

If you cannot find the “OLYMPUS Digital Camera”, turn the camera off, disconnect the camera from the computer and start again.

Users running Windows 98/98 SE start again from “Confirming the USB driver is installed”, and Users running Window Me/2000/XP start from “Connecting the camera to the computer”.



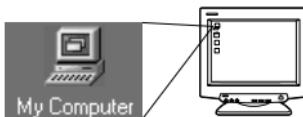
If the USB driver was successfully installed, you can find the following in the “Device Manager”.

- the name of the camera you have connected listed under “Disk drives”
- “OLYMPUS Digital Camera” listed as one of the items in the “Universal Serial Bus Controller” category

Downloading images to your computer

1 Double-click the “My Computer” icon on the desktop.

For users running Windows XP, click “Control Panel” from the “Start” menu.



2 Double-click the “Removable Disk” icon.

A new “Removable Disk” icon appears when the camera is connected to the computer, as the digital camera is recognized as a “Removable Disk”.

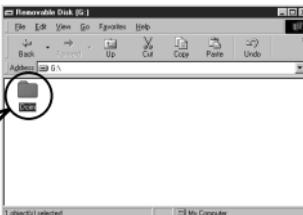
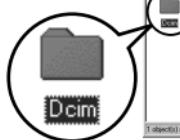


Note

If an error message appears when you double-click the icon, there may be a problem with one of the following:

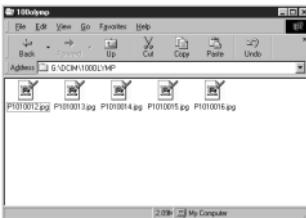
- ① the camera's power source (the AC adapter is not properly connected or the battery power is low)
Make sure that the AC adapter is correctly connected or that the batteries are not running low.
- ② the card (there is no card in the camera or there is a problem with the card)
Check that you can play back pictures stored on the card on the monitor of your digital camera.

3 Double-click the “Dcim” folder.



4 Double-click the “100olym” folder.

Image files (JPEG files) with file names such as “P1010001.jpg” are displayed.



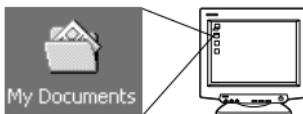
- The camera automatically assigns folder names and file names according to the following rules.

Folder name	File name
(Example) 100olym ↓ Serial number	(Example) P1010001.jpg ↓ ↓ ↓ Month / Day / Serial number

- Serial numbers of image files run from 0001 to 9999.
- Serial numbers of folders run from 100 to 999.
- When file number 9999 is reached, a new folder is created and assigned the next number.
- Months January through September are expressed by the numbers 1 through 9, October by the letter A, November by B and December by C.

5 Double-click the “My Documents” icon on the desktop.

If you cannot find the icon on the desktop, select “Explorer” on the Start menu and double-click the “My Documents” icon.



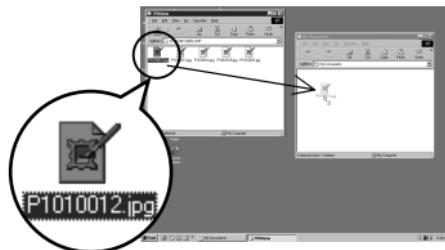
The “My Documents” window is displayed.



6 Drag & drop the image you want to save in the computer (in this case, P1010012.jpg) to the “My Documents” window.

The image is saved in the computer (in My Documents folder).

- To select all files, choose Edit > Select all.



Note

When the image file has been downloaded to the computer, you can view images by double-clicking the image files downloaded to your computer. The files will be opened in the default image viewer of the operating system. If you want to view the image a different size or process it, you will need to open the image with software that supports JPEG or TIFF images files, such as Paint Shop Pro, Photoshop or CAMEDIA Master software.



The lamp on the right of the viewfinder or the card access lamp blinks while the image is being copied. Never open the card cover on the camera, load or remove the batteries, or connect or disconnect the AC adapter while the lamp is blinking as the image files may be destroyed.

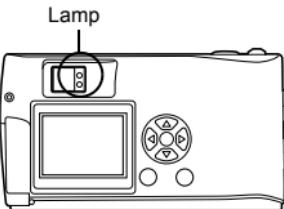
Disconnecting the camera from your computer

If your OS is Windows Me/2000, proceed to “Windows Me/2000/XP” (☞ p.21).

● Windows 98

1 Make sure that the lamp on the right of the viewfinder or the card access lamp is not blinking.

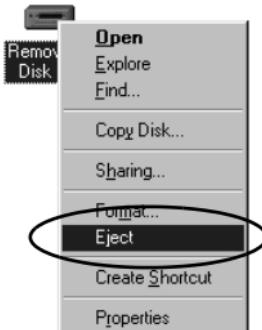
Some camera models have either a lamp on the right of the viewfinder or a card access lamp, and the location varies depending on the model. Refer to your camera's reference manual.



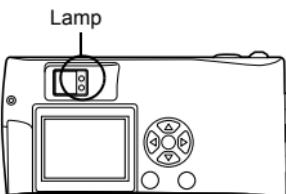
2 Double-click the “My Computer” icon and right-click the “Removable Disk” to display the menu.



3 Click “Eject” on the menu.



sure that the lamp on the right of the viewfinder or the card access cover is not blinking.



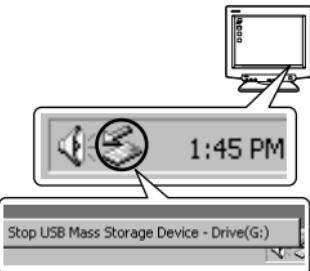
access cover, depending on the model.

2 Click the  “Unplug or Eject Hardware” icon on the task bar.

The message saying that the drive has been stopped appears.

3 Click on the message.

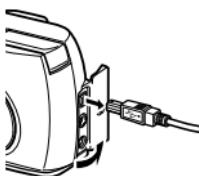
The “Unplug or Eject Hardware” window appears.



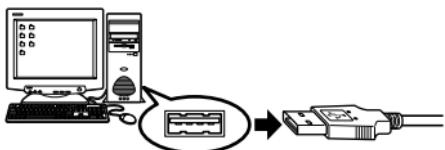
4 When a message appears, click “OK”.



5 Remove the USB cable from the camera.



6 Remove the USB cable from your computer.



If the window returns the following message when you click “Unplug or Eject Hardware”, first make sure that no image data is being downloaded from the camera, and then remove the USB cable.



Using Mac OS (9/X)

Make sure that:

- Your computer is turned on and Mac OS is running.
- If you are running any applications, quit them all.
- You are recommended to power the camera using the optional AC adapter. If the battery power runs out while the computer is accessing the card in the camera, the camera will turn off in the middle of the operation and this could destroy image files (data). If you are using batteries, make sure that there is sufficient remaining battery power.

If you are running Mac OS X, the connection to the computer and downloading the image data are verified. Restrictions such as the following may occur due to the OS.

- The image file properties are not displayed correctly.
- Images in the camera cannot be opened without first downloading them. etc.

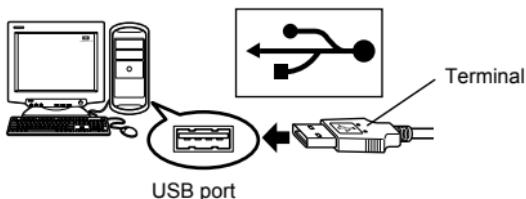
For more details, visit the Olympus web site.

Connecting the camera to the computer	24
Downloading images to your computer.....	26
Disconnecting the camera from your computer	30

Connecting the camera to the computer

1 Insert the marked end of the USB cable into the USB port on your computer as shown below.

Look for this mark.



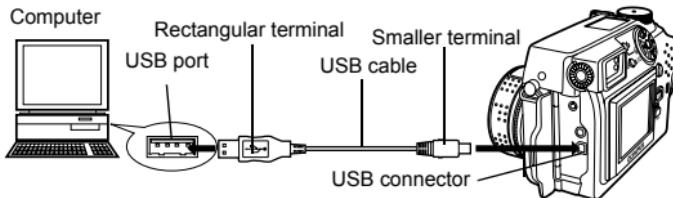
The location of the USB port varies depending on the computer. For details, refer to your computer's manual.

2 After making sure that the camera is turned off, connect the end of the USB cable to the USB connector on the camera.

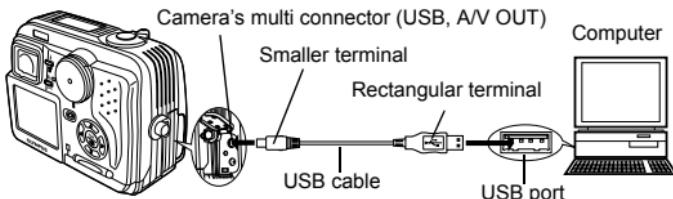
The location of the USB connector or multi connector varies depending on the camera model. Refer to the camera manual for details.

Macintosh

Camera with a USB connector



Camera with a multi connector

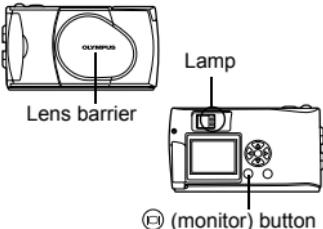


3 Turn the camera on.

● Camera with a lens barrier

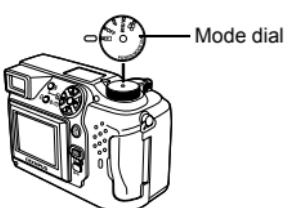
The power turns on automatically, with the exception of some models which require you to press the  (monitor) button.

When the camera is turned on, the green lamp on the right of the viewfinder lights up.



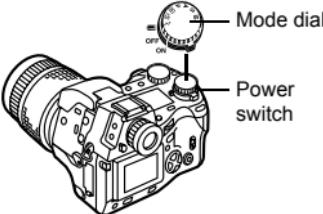
● Camera with a mode

Set the mode dial to . (If the camera has a power switch as well as a mode dial, turn the power switch to ON.)



● Camera with a mode (Camera setup/connection mode)

Set the mode dial to  to turn the camera on.



4 The computer recognizes the camera as a new device.

The computer recognizes the camera automatically and an "Untitled" icon appears on the desktop.

If you cannot find this icon, turn off the camera and connect again.



● Mac OS X

When the computer has recognized the camera, the Apple Image Capture software automatically launches. p.29

When the camera is connected to the computer, none of the camera buttons are functional.

Macintosh

Downloading images to your computer

● Mac OS 9

You can download images from the camera and save them in your computer (in this case, in the Hard Disk).

1 Double-click the “Untitled” icon displayed on the desktop when the camera is connected to the computer.



If you cannot find this icon, or if an error message appears when you double-click the icon, there may be a problem with one of the following:

- ① the camera's power source (the AC adapter is not properly connected or the battery power is low)
- ② the card (there is no card in the camera or there is a problem with the card)
Check that you can play back pictures on the monitor of your camera.
- ③ the USB cable (the camera is not properly connected to the computer by the USB cable).
- ④ Apple “File Exchange” extension is not enabled.
 - Please refer to your Apple operating system manual for instructions on how to enable this extension.

Macintosh

2 Double-click the “Dcim” folder.



3 Double-click the “1000OLYMP” folder.

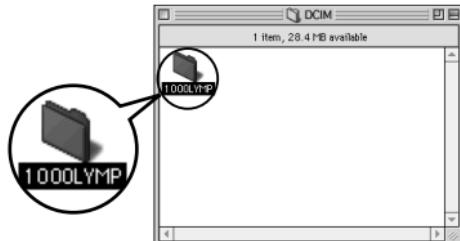
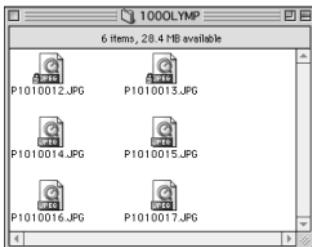
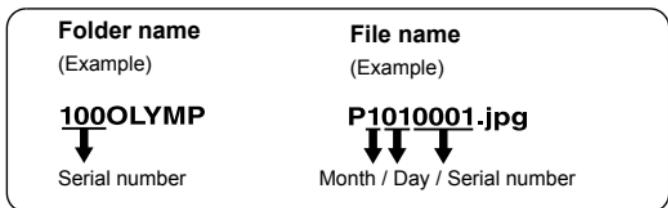


Image files (JPEG files) with file names such as "P1010001.JPG" are displayed.



- The camera automatically assigns folder names and file names according to the following rules.



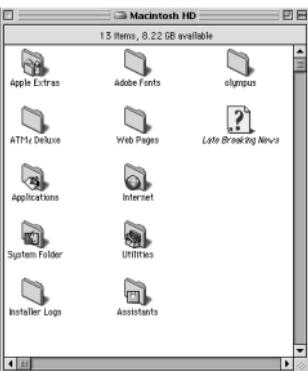
- Serial numbers of image files run from 0001 to 9999.
- Serial numbers of folders run from 100 to 999.
- When file number 9999 is reached, a new folder is created and assigned the next number.
- Months January through September are expressed by the numbers 1 through 9, October by the letter A, November by B and December by C.

Macintosh

4 Double-click the "Macintosh HD" icon on the desktop.



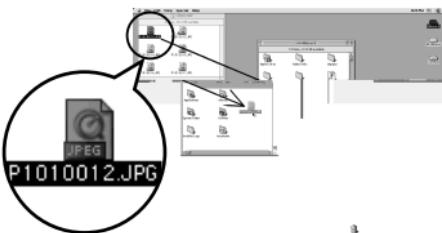
The “Hard Disk” window is displayed.



5 Drag & drop the image you want to save in the computer (in this case, P1010012.JPG) to the “Hard Disk” window.

The image is saved in the computer (in the Hard disk).

- To select all images, click Edit > Select all.



Macintosh



When the image file has been copied to the computer, you can view images by double-clicking the image files in the “Hard Disk” folder. The files will be opened in the default image viewer of the operating system. If you want to view the image a different size or process it, you will need to open the image with software that supports JPEG or TIFF images files, such as Paint Shop Pro, Photoshop or CAMEDIA Master software.



The lamp on the right of the viewfinder or the card access lamp blinks while the image is being copied. Never open the card cover on the camera, load or remove the batteries, or connect or disconnect the AC adapter while the lamp is blinking as the image files may be destroyed.

● Mac OS X

Malfunctions such as the following may occur due to the OS.

- If the camera is not connected correctly, a malfunction occurs in the computer.
- Date and time information of image files is not accurately displayed.
- If the card cover of the camera is opened while connecting to the computer, the “untitled” icon does not disappear from the desktop. etc.

When the computer has recognized the camera, the Apple Image Capture software dialog appears.

1 From the “Download To” menu, select a destination folder.

2 To download all images, click “Download All”.

To selectively download images, click “Download Some” and highlight the desired images.

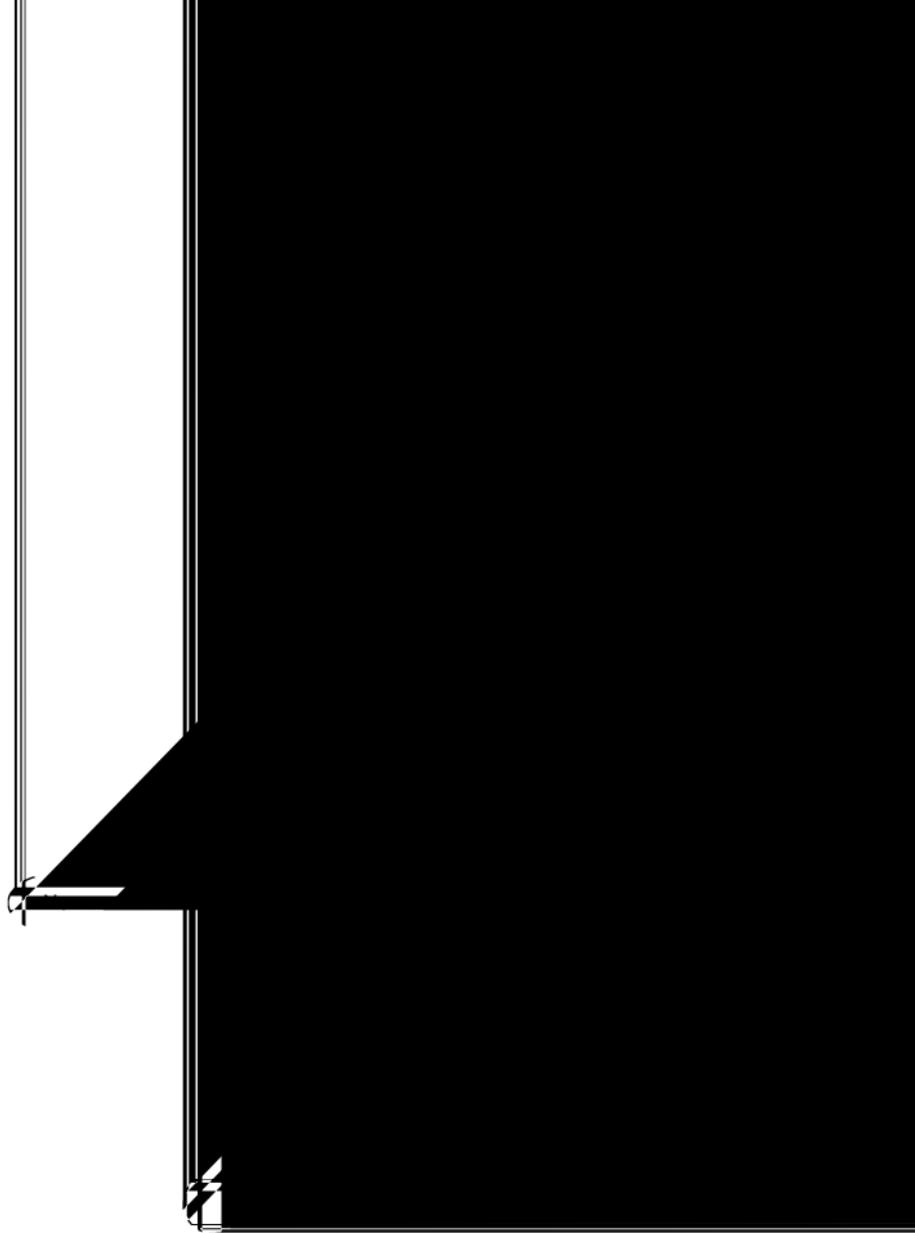
The images are transferred from the camera to your computer.



If you are operating Mac OS X and you want to download images using the same procedure as for Mac OS 9, select “File > Close” and exit the Apple Image Capture software. At this time, the camera is indicated as “unlabeled”.



If you use the Apple Image Capture software, images downloaded to your computer and transferred back to a card may not play back on the camera or may have other problems.



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<http://www.olympus.com/>

OLYMPUS OPTICAL CO., LTD.

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Customer support (Japanese language only): Tel. 0426-42-7499 Tokyo

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Technical Support (USA)

24/7 online automated help: <http://support.olympusamerica.com/>
Phone customer support: Tel. 1-888-553-4448 (Toll-free)

Our phone customer support is available from 8 am to 10 pm
(Monday to Friday) ET

E-Mail: distec@olympus.com

Olympus software updates can be obtained at: <http://olympus.com/digital/>

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